

UNCLASSIFIED

AD NUMBER
AD803607
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Oct 1966. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

803607

FOR OFFICIAL USE ONLY



CONSOLIDATED TRANSLATION SURVEY

Number 106

For October 1966

OFFICE OF CENTRAL REFERENCE
Foreign Documents Division
CENTRAL INTELLIGENCE AGENCY
2430 E St., NW., Washington 25, D. C.

FOR OFFICIAL USE ONLY

CONSOLIDATED TRANSLATION SURVEY

FOR OCTOBER 1966

TABLE OF CONTENTS

	<u>Page</u>
Preface	iii
Requests for Copies	iv
USSR	
Economic	1
Political	13
Military	15
Geographic	18
Eastern Europe	
Economic	22
Political	32
Military	33
Geographic	34
Sociological	34
Western Europe	
Economic	37
Political	38
Military	39
Geographic	39
Sociological	40
Africa	
Economic	40
Political	42
Military	44
Sociological	44
Biographic	45
Middle East	
Economic	45
Political	46
Military	47
Sociological	47

	<u>Page</u>
Far East	
Economic	47
Political	49
Military	52
Sociological	52
Biographic	54
Latin America	
Economic	54
Political	55
Military	57
Geographic	57
Sociological	57
Scientific	
Aeronautics	59
Agriculture	59
Astronomy & Astrophysics	61
Atmospheric Sciences	61
Behavioral & Social Sciences	63
Biological & Medical Sciences	63
Chemistry	77
Earth Sciences & Oceanography	81
Electronics & Electrical Engineering	85
Energy Conversion (Non-propulsive)	91
Materials	92
Mathematical Sciences	108
Mechanical, Industrial, Civil & Marine Engineering	110
Methods & Equipment	118
Navigation, Communications, Detection, & Countermeasures	118
Nuclear Science & Technology	120
Physics	124
Propulsion & Fuels	132
Space Technology	134
Miscellaneous	135
Information on Cover-To-Cover Translations	136
Index to Authors	216

CONSOLIDATED TRANSLATION SURVEY

PREFACE

This survey is prepared monthly by the Foreign Documents Division, Office of Central Reference, CIA, from lists received through the cooperation of US government agencies and includes translations prepared by such agencies, private industry universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects completed or started during the preceding month.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date of publication, and publication identification of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

Projects in process, i.e., not completed as of the date of this survey, are noted with an asterisk (*), and, when available, a project-control or "in-process" number is noted in parentheses following the title. Certain details may be unavailable on such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

Scientific and technical translations are grouped according to the COSATI subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organization.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, D. C. 20505

Addresses of Producers to Follow:

ACIC - Aeronautical Chart and Information Center
(see CFSTI)

ACSI - (see DIA)

AEC - Atomic Energy Commission (see CFSTI)

AERE Harwell Lib

The Librarian
AERE, Ministry of Supply
Harwell, Didcot, Birks
England

AF

Department of Air Force
Assistant Chief of Staff, Intelligence
ATTN: AFCIN-3D
Washington 25, D.C.

AFCRL Res Lib

Air Force Cambridge Research Laboratories
Research Library
Office of Aerospace Research
United States Air Force
Laurence G. Hanscom Field
Bedford, Massachusetts
ATTN: CRMXLR

ANL - Argonne National Laboratory, Illinois
(see AEC)

APL - Applied Physics Laboratory (see Navy)

ATS

Associated Technical Services, Incorporated
P. O. Box 271
East Orange, New Jersey 07017

AWRE - (see AEC)

BISI

British Iron and Steel Industry Translation Service
The Iron and Steel Institute
4 Grosvenor Gardens
London, S.W. 1, England

CB

Consultants Bureau Enterprises, Incorporated
227 West 17th Street
New York, New York 10011

CFSTI

Clearinghouse for Federal Scientific and
Technical Information (Formerly Office of
Technical Services)
Port Royal and Braddock Roads
Springfield, Virginia 22151

DIA

Defense Intelligence Agency
Washington, D.C. 20301

DTMB - David Taylor Model Basin (see Navy)

FP

The Faraday Press, Incorporated
84 Fifth Avenue
New York, New York 10011

FTD - Foreign Technology Division (see AF)

HB

Henry Bratcher Technical Translations
P. O. Box 157
Altadena, California 91001

IEEE

Institute of Electrical and Electronics Engineers
275 Madison Avenue
New York, New York 10016

IPST

Israel Program for Scientific Translation
14 Shammai Street
P. O. Box 7145
Jerusalem, Israel

ISA

Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

J. Woroncow

J. Woroncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

JHU/APL - The Johns Hopkins University/Applied Physics
Laboratory (see Navy)

JPRS

U.S. Department of Commerce
Clearinghouse for Federal Scientific
and Technical Information
Joint Publications Research Service
Building Tempo E.
East Adams Drive, 4th & 6th Streets, SW
Washington, D.C. 20443

NASA

National Aeronautics and Space Administration
1512 H Street, NW
Washington, D.C. 20546

Navy

Department of Navy
Office of Naval Intelligence
Washington 25, D.C.

NLL

National Lending Library
For Science & Technology
Boston Spa, Yorkshire, England

NMS - Navy Medical School (see Navy)

NRL - Naval Research Laboratories (see Navy)

NSJ - (see AEC)

ONI - Office of Naval Intelligence (see Navy)

ORNL - Oak Ridge National Laboratory (see AEC)

OSA

Optical Society of America, Incorporated
33 University Road
Cambridge, Massachusetts 02138

OT

Ministry of Aviation,
TIL.1(a),
First Avenue House,
High Holborn,
London, W.C.1, England

OTS - (see CFSTI)

Patent Office

Department of Commerce, Patent Office
Scientific Library
14th and Constitution Avenue, NW
Washington, D.C.

RAE - (see TIL, Ministry of Aviation)

Rand Corp

Rand Corporation
ATTN: Publications Office
1700 Main Street
Santa Monica, California

RTS - (see OTS)

SLA

SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

TC

Trans-Chem
Chemical Translation Service
1216 Oakdale, S.E.
Knoxville, Tennessee 37914

TIL - Technical Information Library

Ministry of Aviation
TIL, 1 (b)
Leysdown Road
Motttingham
London, S.E. 9, England

UCRL

University of California
Lawrence Radiation Laboratory
Livermore, California
(see AEC)

USSR

Economic

Resume of Past, Present and Future Industrial Attainments of RSFSR Republics, 12 pp.
RUSSIAN, np, Agitator, No 10, 1966, pp. 14-31.
JPRS 37383

The Development of Soviet Railways, by G. Sorokin, 5 pp.
RUSSIAN, per, Agitator, No 13, Jul 1966, pp. 17-19.
JPRS 37720

Soviet Maritime Foreign Trade Expanding, by N. Tokmachev, 5 pp.
RUSSIAN, per, Agitator, No 13, 1966, pp. 46-48.
JPRS 37620

Suggestions and Proposals to Improve USSR Railway Operations, 6 pp.
RUSSIAN, per, Avtomatika-Telemekhanika-Svyaz', No 6, 1966, pp. 1-2.
JPRS 37088

The Importance of Trucking the Harvest to the Cities, by S. Snuplyakov, 5 pp.
RUSSIAN, per, Avtomobil'niy transport, No 5, May 1966, pp. 1-3.
JPRS 37264

For Greater Utilization of Reserves in Capital Construction, 7 pp.
RUSSIAN, per, Brillanten' Stroitel'noy Tekhniki, No 5, 1966, pp. 1-4.
JPRS 37556

Fourth All-Union Forum of Defectoscopists, by N. V. Khimichenko, 7 pp.
RUSSIAN, per, Defektoskopiya, No 6, Nov-Dec 1965, pp. 86-90.
JPRS 37703

Problems of Incentive Funds and Group Production Norms, by A. Nilyukov, 5 pp.
RUSSIAN, per, Ekon Gazeta, No 24, 1966, p 17.
JPRS 37365

The New Statute on Rights and Responsibilities of Enterprises, 6 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No 24, 1966, p 19.
JPRS 37365

USSR
Economic (Contd)

Land Improvement through Use of Lime Fertilizers Urged, 10 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 24, June 1966, pp. 30-37.
JPRS 37317

Plans for Improving the Quality and Volume of Land Reclamation During the Present Five-Year Plan, 14 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 25, Jun 1966, pp. 3-5.
JPRS 37502

Recommendations of the Conference, 12 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 25, June 1966, pp. 26-27.
JPRS 37173

Improvement of Quality of Consumer Goods in the Light Industry, by L. Barabanov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 25, June 1966, p. 28.
JPRS 37173

Reserves in the Light Industry with the New Planning System, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 25, June 1966, p. 31.
JPRS 37173

Shortcomings in the System of Crop Insurance, by I. Kiroshnikov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 25, Jun 1966, pp. 34.
JPRS 37502

Greater Efficiency and Reduced Costs in Pipe Fabrication, by V. Volyurenko and L. Kurzinov, 6 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No 26, June 1966, p. 7.
JPRS 37132

Criticism of Information Dissemination by Oblast' and Kray Newspapers, by V. Filippov and G. Emlin, 7 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 26, June 1966, pp. 10-11.
JPRS 37330

Computers at First State Bearing Plant, by F. Chaykin and A. Ivanov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 26, June 1966, p. 15.
JPRS 37209

USSR
Economic (Contd)

Setting Up the Meat and Dairy Industry on An Industrial Foundation, 13 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 26, June 1966, pp. 17-18.
JPRS 37173

The State Plan Is the Law, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 3.
JPRS 37243

Experience of Kiev Electronic and Precision Instrument Plant in the Five-Year Plan, by P. Shilo, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, pp. 12-13.
JPRS 37327

Ministry of Power and Electrification Adopts New System of Planning and Economic Incentives, by G. Stepanov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 13.
JPRS 37231

Measures for Improving the Construction of New Diesel Locomotives, by N. Turik, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 15.
JPRS 37240

Research on Optimum Distribution Variants by the Scientific Research Institute of Economics, by A. Vlasova and Z. Drugaleva, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 18.
JPRS 37243

Construction and Credit Relations under the New System of Bank Financing, 11 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, pp. 18-19.
JPRS 37266

Need for High-Quality Consumer Goods Emphasized, by P. Kazakov, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 28.
JPRS 37323

"River-Sickness" - Why Passenger Transport Operations Are Unprofitable, by Yu. Moralevich, 7 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 39.
JPRS 37240

USSR
Economic (Contd)

For Better Utilization of Fixed Capital in Belorussia, by S. Kishkin, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, July 1966, pp. 4.
JPRS 37534

The Development of Agricultural Planning in Latvia, by A. Voss, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, July 1966, p. 5.
JPRS 37620

An Interview with Lenin Prize Winner Viktor Glushkov about Cybernetics, by Ivan Batov, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, July 1966, p. 6.
JPRS 37225

A Conference on the Development of Soviet Light Industry, 11 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, Jul 1966, pp. 14-15.
JPRS 37535

On the Need for Training Personnel at New Plants, by Z. Korovina, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, Jul 1966, p. 17.
JPRS 37537

The 23rd Party Congress and the Problems of Kolkhos and Sovkhoz Construction, by G. Gaponenko and M. Kovalenko, 16 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 28, July 1966, pp. 27-29.
JPRS 37542

The Contact [Of Industry] With Science, by P. Poklonskiy and M. Pritykin, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 27, July 1966, p. 13.
JPRS 37300

Intra-Plant Transport: A Weak Link, by F. Voronov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 29, July 1966, p. 17.
JPRS 37306

Criticisms of Service Facilities, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 29, Jul 1966, p. 23.
JPRS 37303

USSR
Economic (Contd)

Industrial Development in Small Cities and Towns, by M. Allakhverdov, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 31, Aug 1966, pp. 15-16.
JPRS 37865

New Planning System at Neva Machine-Building Plant, by V. Kantor, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 31, Aug 1966, pp. 18.
JPRS 37865

Performance and Prospects in Rural Trade, by A. Klimov, 8 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 31, Aug 1966, pp. 19-20.
JPRS 37843

Problems of Irrigation Construction in Southern Kazakhstan, by L. Sintsov and P. Yermakov, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 31, Aug 1966, pp. 32.
JPRS 37841

Problems in Construction and Operation of the Novocherkassk Power Station, by N. Stroganov, 6 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 32, Aug 1966, pp. 13.
JPRS 37785

Shortcomings in the Pulp and Paper Industry, 11 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 33, Aug 1966, pp. 10-11.
JPRS 37789

Shortcomings in Construction Estimates, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 33, Aug 1966, pp. 12.
JPRS 37793

Experience in Bank Credit for Construction in Kazakhstan, by N. Chirkin, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 33, Aug 1966, pp. 19.
JPRS 37793

USSR
Economic (Contd)

Means of Raising the Efficiency of Scientists, by L. Levina, 10 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 35, Aug 1966, pp. 35-36.
JPRS 37825

The Role of Economic-Mathematical Methods and Computers in Fulfilling the Soviet National Economic Plan for 1966-1970, 9 pp.
RUSSIAN, per, Ekonomika i Matematicheskiye Metody, Vol 2, No 3, May-June 1966, pp. 321-326.
JPRS 37223

The Problems of Planned Price Formation and the Reform of Industrial Management, by V. V. Novozhilov, 21 pp.
RUSSIAN, per, Ekonomika i Matematicheskiye Metody, Vol 2, No 3, May-June 1966, pp. 327-338.
JPRS 37223

The Input-Output Table and the National Economic Plan, by B. A. Volchikov, 14 pp.
RUSSIAN, per, Ekonomika i Matematicheskiye Metody, Vol 2, No 3, May-June 1966, pp. 430-438.
JPRS 37223

The First All-Union Conference on the Use of Economic-Mathematical Methods and Computers in the Control of an Industrial Enterprise, by F. G. Gurvich, 17 pp.
RUSSIAN, per, Ekonomika i Matematicheskiye Metody, Vol 2, No 3, May-June 1966, pp. 460-467.
JPRS 37223

Problems of Agricultural Science in the Five-Year Plan, by P. Lobanov, 12 pp.
RUSSIAN, per, Ekonomika sel'skogo Khozyaystva, No 5, May 1966, pp. 15-23.
JPRS 37719

Strengthening the Material and Technical Base of Kolchozes and Sovkhozes, by M. Novikov, 19 pp.
RUSSIAN, per, Ekonomika sel'skogo Khozyaystva, No 5, May 1966, pp. 24-37.
JPRS 37301

Program of Land-Improvement Work, by Ye. Alekseyevskiy, 13 pp.
RUSSIAN, per, Ekonomika sel'skogo Khozyaystva, No 5, May 1966, pp. 38-47.
JPRS 37719

USSR
Economic (Contd)

Organization of the Procurement of Agricultural Products -- a General State Task, by L. Korniyets, 11 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozyaystva, No 5, May 1966, pp. 48-55.
JPRS 37719

Application of Chemical Processes in Agriculture During 1966-1970, by A. Artyushin, 9 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozyaystva, No 5, May 1966, pp. 86-92.
JPRS 37719

The Role of Incentive Funds for Raising the Material Self-Interest of Enterprises, by A. Chukhno, 8 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 2, 1966, pp. 16-20.
JPRS 36916

The Importance of Increasing Capital Yield, by N. Prokopenko, 7 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 2, 1966, pp. 21-25.
JPRS 36916

Development of National Economic Balances, by A. Moskvina, 6 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 2, 1966, pp. 70-74.
JPRS 36916

Improvement of Quality of Scrap Metal and Centralization of Its Processing Required, by V. Ganopol'skiy, M. Novitskiy, and A. Stralets, 7 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 3, Mar 1966, pp. 28-31.
JPRS 37536

Universality and Unification in Agricultural Machines, by V. Matveyev, 6 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 3, Mar 1966, pp. 38-41.
JPRS 37457

Concentration of Wholesale Trade in Rural Areas, by A. Iyevlev, 10 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 3, Mar 1966, pp. 47-50.
JPRS 37445

USSR
Economic (Contd)

Direct Contract Connections and Their Effectiveness, by I. Naymark, 10 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 3, Mar 1966, pp. 60-65.
JPRS 37445

Algorithm for Synthesis of Administration of an Agricultural-Industrial Complex, by A. Bakayev, A. Kulik, and A. Radziyevskiy, 7 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy, No 7, Jul 1966, pp. 63-66.
JPRS 37865

Innovations in the Rules Governing the Acceptance of Production Establishments for Operation, by Ye. Zolotnikov and L. Remizov, 5 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 5, May 1966, pp. 28-31.
JPRS 37326

Systematization and Improvement of Economic Work in Soviet Construction Organizations, by I. Ganichev, 12 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 6, Jun 1966, pp. 1-8.
JPRS 37679

Planned Increases in Soviet Building-Materials Industry in 1966-1970, by D. Alekhin, 11 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 6, Jun 1966, pp. 14-20.
JPRS 37679

Economic Desirability of Remodeling Enterprises, as Compared With New Construction, by M. Martsenitsen, 8 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 6, Jun 1966, pp. 26-30.
JPRS 37679

New Procedure for Establishing Working-Capital Norms, by I. Semenov, 12 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 6, Jun 1966, pp. 31-36.
JPRS 37679

Planned Growth of Electric Transmission Networks During the Current Five-Year Plan, by S. S. Rokotyan, 5 pp.
RUSSIAN, per, Energetik, No 7, Jul 1966, pp. 2-3.
JPRS 37834

USSR
Economic (Contd)

Existing Methods of Repair of Equipment in Electric Stations, by B. B. Solov'yev, 6 pp. RUSSIAN, per, Energetik, No 7, Jul 1966, pp. 4-6.
JPRS 37834

The Role of the Construction Bank in Raising the Effectiveness of Capital Investments, by A. Voxyakov, V. Nechanyev and A. Ferberg, 10 pp. RUSSIAN, per, Finansy SSSR, No 6, 1966, pp. 21-28.
JPRS 37679

Makat-Mangyshlak Construction Progresses, by N. Kudryashov, 5 pp. RUSSIAN, np, Gudok, 25 May 1966, p. 3.
JPRS 37155

Construction of Railroad Sidings Must Be Upgraded, by K. Samoylov and V. Sesevkin, 5 pp. RUSSIAN, np, Gudok, 7 July 1966, p. 3.
JPRS 37119

Review of Agricultural Equipment at the Exposition of National Economic Achievements, 5 pp. RUSSIAN, per, Informatsionnyy Byulleten' VDNKh SSR, No 5, May 1966, pp. 1-2.
JPRS 37269

Personnel and Economic Problems at Leningrad Planning Institute, by B. Gusev, 6 pp. RUSSIAN, np, Izvestiya, 8 July 1966, p. 3.
JPRS 37229

Scientific Directions of the Development of Water Transport in the USSR, by V. V. Zvonkov, 5 pp. RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Energetika i Transport, No 3, 1966, pp. 139-142.
JPRS 37119

Conquering the West-Siberian Lowlands -- the Greatest Regional-Complex Problem of the New Five-Year Plan, by M. I. Pomus, 19 pp. RUSSIAN, per, Iz Ak Nauk SSR Seriya Geograficheskaya, No 3, March 1966, pp. 52-65.
DIA LN 469-66

First Quarter 1966 Production Figures for the Kazakh SSR, 5 pp. RUSSIAN, np, Kazakhstanskaya Pravda, 22 May 1966, p. 3.
JPRS 37171

USSR
Economic (Contd)

Technical Level of Chemical and Petroleum Machine Building To Be Raised in 1966 to 1970, by K. I. Brekhov, 8 pp. RUSSIAN, per, Khimicheskoye i Neftyanoye Mashinostroyeniye, No 5, May 1966, pp. 1-4.
JPRS 37176

Development of the Coke-Chemical Industry, 3 pp. RUSSIAN, per, Koks i khimiya, No 5, 1966, pp. 1-3.
JPRS 36928

For Stricter Control of Capital Construction in Armenia, by G. Khorasanyan, 5 pp. RUSSIAN, np, Kommunist, 20 May 1966, p. 3.
JPRS 36979

Plans for Industrial Development in Lithuania during the New Five-Year Plan, by I. Manyushis, 3 pp. RUSSIAN, per, Kommunist, No 5, May 1966, pp. 1-3.
JPRS 37333

The Science of Economics and Economic Practices in the USSR, by A. Pashkov, 19 pp. RUSSIAN, per, Kommunist, No 9, June 1966, pp. 68-82.
JPRS 37106

The Role of the Experiment in the Economic Reform, by L. Lopatnikov, 14 pp. RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 43-53.
JPRS 37370

Science, Progressive Experience and Agricultural Production, by V. Dasyatov, 11 pp. RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 54-63.
JPRS 37370

The Use of Mathematical Methods in Solving Economic Problems, by L. Kantorovich, 11 pp. RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 64-73.
JPRS 37370

Rational Location of the Productive Forces, by V. Arutyunov, 5 pp. RUSSIAN, np, Kommunist, 9 Aug 1966, pp. 3.
JPRS 37783

USSR
Economic (Contd)

Past Progress and Future Tasks of Soviet Electric Power Engineering, 8 pp.
RUSSIAN, per, Kommunist Vooruzhenykh Sil, No 11, June 1966, pp. 36-40.
JPRS 37438

Progress of the Economy of the Ukrainian SSR in the First Half of 1966, 5 pp.
RUSSIAN, np, Kommunist'skaya Zvezda, 26 July 1966, pp 1.
JPRS 37534

Economic Efficiency in Developing the Far North, by S. Slavin, 5 pp.
RUSSIAN, np, Literaturnaya Gazeta, 9 Aug 1966, p. 2.
JPRS 37443

The Use of Glass Plastics in Machine Building, 6 pp.
RUSSIAN, per, Mashinostroitel', No 5, May 1966, pp. 40-42.
JPRS 37243

Production of Plastic Articles, by A. N. Nikolayev, 6 pp.
RUSSIAN, per, Mashinostroitel', No 5, May 1966, pp. 42-44.
JPRS 37243

Descriptions of Soviet Machinery for Centralized Control, by I. M. Shenbrot.
RUSSIAN, bk, Mashiny Tsentralizovannogo Kontrolya, 1966, pp 1-192.
*JPRS/NY-13459

Mechanization and Automation in Industry, 5 pp.
RUSSIAN, per, Mekhanizatsiya i Avtomatizatsiya Proizvodstva, No 5, May 1966, pp. 1-3.
JPRS 37243

Ways of Mechanizing the Production of Precast Reinforced Concrete, by P. K. Balat'yev, 13 pp.
RUSSIAN, per, Mekhanizatsiya Stroitel'stva, No 6, June 1966, pp. 1-4.
JPRS 37315

The Role of Standardization in the Building of the Material and Technical Base of Communism, by V. V. Boytsov, 9 pp.
RUSSIAN, per, Metodika i Praktika Standardizatsii, 1965, pp 7-16.
JPRS 37365

USSR
Economic (Contd)

The Term "Standardization" and Its Definition, by E. S. Evseyenko, 6 pp.
RUSSIAN, per, Metodika i Praktika Standardizatsii, Chapter 6, 1965, pp 153-158.
JPRS 37365

Organizational Principles for Works on Standardization in the USSR, by V. I. Prokhorov, 28 pp.
RUSSIAN, per, Metodika i Praktika Standardizatsii, Chapter 7, pp 158-189, 1965.
JPRS 37365

Single State System of Standardization in the USSR, by A. P. Bardybakhin, V. I. Prokhorov, 36 pp.
RUSSIAN, per, Metodika i Praktika Standardizatsii, Chapter 8, 1965, pp 189-229.
JPRS 37365

Classification and Codification of Products, by Yu. A. Kaftanyuk, M. V. Orlova, 8 pp.
RUSSIAN, per, Metodika i Praktika Standardizatsii, Chapter 9, 1965, pp 229-237.
JPRS 37365

The International Importance of the Five-Year Plan, 15 pp.
RUSSIAN, per, Mirovaya Ekonomika i Mezhduarodnyye Otnosheniya, No 7, Jul 1966, pp. 3-13.
JPRS 37773

The Dairy Industry and the New Five-Year-Plan, by S. Antonov, 8 pp.
RUSSIAN, per, Molochnaya Promyshlennost', No 5, 1966, pp. 1-5.
JPRS 37173

Urgent Tasks for the Development of Cheese Making, by B. Klimenko, 11 pp.
RUSSIAN, per, Molochnaya Promyshlennost', No 6, June 1966, pp. 6-10.
JPRS 37173

Mineral Resources in the Kolyma Basin and the Chukchee Peninsula, by L. Baydak, 5 pp.
UKRAINIAN, np, Molod' Ukrayiny, 27 June 1966, p. 3.
JPRS 37584

USSR
Economic (Contd)

Primary Targets of Equipment Installation Men in the Five-Year Plan for Ferrous Metallurgy, by N. N. Privalov, 5 pp.
RUSSIAN, per, Montazhnyye i Spetsial'nyye Raboty v Stroitel'stve, June 1966, No 6, pp. 1-4.
JPRS 37139

Development of Soviet Merchant Marine, by D. K. Zotov, 11 pp.
RUSSIAN, per, Morskoy Sbornik, No 7, 1966, pp. 9-14.
JPRS 37426

More Efficient Use of Kazakhstan's Iron Ore Needed, by M. Darishev, 6 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 2, 1966, pp. 75-78.
JPRS 37402

The Material Base of Domestic Services, by G. Galaydin, 6 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 4, Apr 1966, pp. 46-49.
JPRS 37383

Steps to Improve Efficiency of Managerial Personnel in Industry, by A. Bychkovskiy, 11 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 5, May 1966, pp. 41-45.
JPRS 37346

Overall Approach to Layout of Industrial Parks, by N. Sopivskiy and V. Komissarov, 7 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 5, May 1966, pp. 49-52.
JPRS 37456

Measures for Stepping Up Construction in the Kazakh SSR During the Five-Year Plan, 8 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 6, Jun 1966, pp. 3-7.
JPRS 37833

Status of Capital Construction Activity in the Kazakh SSR, by T. Ashimbayev, 8 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 6, Jun 1966, pp. 9-13.
JPRS 37833

USSR
Economic (Contd)

Economic Collaboration of Socialist Countries with Developing Countries, by L. Z. Zevin, M. P. Strepetova and N. A. Ushakova, 16 pp.
RUSSIAN, per, Novaya i Noveyshaya Istoriya, No 2, 1966, pp. 3-16.
JPRS 37394

Implementing the New Economic Reform, by A. Birman, 19 pp.
RUSSIAN, per, Novyy Mir, No 5, May 1966, pp. 187-200.
JPRS 37783

Industrial Safety in the New Five-Year Plan, 5 pp.
RUSSIAN, per, Okhrana Truda i Sotsial'noye Strakhovaniye, No 6, June 1966, pp. 1-2.
JPRS 37300

Development of Irrigation in the Golodnaya Steppe, by N. Makhmudov, 12 pp.
RUSSIAN, per, Partiyaya Zhizn', No 10, May 1966, pp. 19-26.
JPRS 37191

Problems in Expanding and Increasing Rice Production, by M. Iksanov, 9 pp.
RUSSIAN, per, Partiyaya Zhizn', No 10, May 1966, pp. 27-32.
JPRS 37191

For Maintaining Proportionality in Economic Development, by A. Arakelyan, 8 pp.
RUSSIAN, per, Planovoye khozyaystvo, No 3, Mar 1966, pp. 21-27.
JPRS 37171

Planning and Predicting Scientific Development, by A. Konson, 12 pp.
RUSSIAN, per, Planovoye khozyaystvo, No 3, Mar 1966, pp. 36-46.
JPRS 37171

Prospects for Development of the Motor Vehicle Industry in the Five-Year Plan, by S. Matveyev, 8 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 7, Jul 1966, pp. 26-30.
JPRS 37504

USSR
Economic (Contd)

Description of Activities of the Scientific Research Institute of Economics During 1965 and 1966, 5 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 7, Jul 1966, pp. 94-95.
JPRS 37458

An Economic Conference on the Problems of the New Economic Reform, 5 pp.
RUSSIAN, np, Pravda, 25 Mar 1966, p. 4.
JPRS 37171

Proposal for Reorganization of Delivery and Forwarding of Railroad Freight Shipments, by A. Komarov, 6 pp.
RUSSIAN, np, Pravda, No 194, 13 Jul 1966, pp. 2 and 6.
JPRS 37426

Improvement in Production-Engineering Methods at Sverdlovsk Tool Plant, by N. Il'inskiy, 6 pp.
RUSSIAN, np, Pravda, 21 July 1966, p. 2.
JPRS 37037

Production Problems of Ministry of Machine Building for Light and Food Industry and Household Appliances, by S. Balbekov, 6 pp.
RUSSIAN, np, Pravda, 27 July 1966, p. 3.
JPRS 37443

Production is the Purpose of Supply, by I. Manvelov, 5 pp.
RUSSIAN, np, Pravda, 22 Aug 1966, pp. 2.
JPRS 37783

Instruments for the Dairy Industry, by L. P. Brusilovskiy, A. Ya. Vaynberg, and Yu. A. Yakovlev, 7 pp.
RUSSIAN, per, Priborostroyeniye, No 7, Jul 1966, pp. 16-19.
JPRS 37916

Material Stimuli for Effective Use of Electric-Power Resources, by N. V. Kaminskiy, 9 pp.
RUSSIAN, per, Promyshlennaya Energetika, No 7, 1966, pp. 2-5.
JPRS 37579

The Power Factor of Agricultural Electric-Power Installations, by I. I. Sharamok, 5 pp.
RUSSIAN, per, Promyshlennaya Energetika, No 7, 1966, pp. 17-19.
JPRS 37579

USSR
Economic (Contd)

A Single Series of New General Industrial Instruments for Control and Adjustment, 5 pp.
RUSSIAN, np, Promyshlennost' Armenii, No 1, 1966, pp. 35-38.
JPRS 37017

The Automation of the Industrial Processes of Chemical Technology, by E. Oganessian and V. Khachaturov, 7 pp.
RUSSIAN, per, Promyshlennost' Armenii, No 4, Apr 1966, pp. 71-74.
JPRS 37622

Anticipated Growth of Armenian Industry in the New Five-Year Plan, by G. Arutyunyan, 7 pp.
RUSSIAN, per, Promyshlennost' Armenii, No 6, 1966, pp. 3-6.
JPRS 37445

Future Operation of the Minsk Bearing Plant, by I. F. Gavrilov, 5 pp.
RUSSIAN, per, Promyshlennost' Belorussii, No 5, 1966, pp. 37-38.
JPRS 37156

Problems of Application of Reinforced Concrete in Industrial Construction, by A. N. Popov, 7 pp.
RUSSIAN, per, Promyshlennoye Stroitel'stvo, No 6, 1966, pp. 2-5.
JPRS 37587

The Importance of the Scientific-Technical Societies of the Construction Industry, by I. A. Onufriyev, 5 pp.
RUSSIAN, per, Promyshlennoye Stroitel'stvo, No 7, 1966, pp. 2-3.
JPRS 37833

Soviet Developments in Automated Production Control Systems, 12 pp.
UKRAINIAN, np, Radyans'ka Ukrayina, 9 June 1966, p. 3.
JPRS 37593

The Coal Industry of Mongolia, by Zh. Dagersuren and V. F. Cherepovskiy, 5 pp.
RUSSIAN, per, Razvedka i okhrana nefti, No 6, June 1966, pp. 62-64.
JPRS 37259

Improving the Use of Fixed Capital of River Transport, by S. Kuchkin, 16 pp.
RUSSIAN, per, Rechnoy Transport, No 4, 1966, pp. 2-6.
JPRS 37335

USSR
Economic (Contd)

Tasks of Port Workers during the First Year of the Five Year Plan, 9 pp.
RUSSIAN, per, Rechnoy Transport, No 4, 1966, pp. 6-8.
JPRS 37335

The Role of River Transport in Coping with the Flow of Goods in the Territory of Tyumen Oblast' by N. Tsurkov and V. Ivanov, 8 pp.
RUSSIAN, per, Rechnoy Transport, No 4, 1966, pp. 12-15.
JPRS 37335

River Transportation during the New Five-Year Plan, 5 pp.
RUSSIAN, per, Rechnoy Transport, No 5, May 1966, pp. 1-2.
JPRS 37335

Increase the Use of the River Fleet in Western Siberia, by K. Golikov, 7 pp.
RUSSIAN, per, Rechnoy Transport, No 5, May 1966, pp. 5-6.
JPRS 37335

Sugar Production in the USSR During the Seven-Year-Plan 1958-1965, by I. P. Lepeshkin and G. A. P'yankov, 9 pp.
RUSSIAN, per, Sakharnaya Promyshlennost', No 6, 1966, pp. 1-6.
JPRS 37173

Studies in Comparison of Levels of Economic Development of the Socialist Countries, 83 pp.
RUSSIAN, bk, Sopostavleniye Urovnay Ekonomicheskogo Razvitiya Sotsialisticheskikh Stran, 1965, pp. 127-202 and 204-226.
JPRS 37073

New Economic System at Tallin Machine Building Plant, by Ya. Tolstikov, 5 pp.
RUSSIAN, np, Sovetskaya Estoniya, 26 May 1966, p. 2.
JPRS 37443

Limiting of Authority in National Economic Management, by A. I. Lepeshkin, 11 pp.
RUSSIAN, per, Sovetskoye gosudarstvo i pravo, No 6, Jun 1966, pp. 3-11.
JPRS 37749

Large Reclamation Projects Envisaged for the Lithuanian SSR in the New Five-Year Plan, 14 pp.
RUSSIAN, np, Sovetskaya Litva, 15 Jun 1966, pp. 2.
JPRS 37502

USSR
Economic (Contd)

The Tasks of Consumer Cooperatives in the New Five-Year Plan, by A. Klimov, 12 pp.
RUSSIAN, per, Sovetskaya potrebitel'skaya kooperatsiya, No 5, May 1966, pp. 1-7.
JPRS 37188

Heads of RSFSR Ministries Report on Results of New Economic Planning System, 6 pp.
RUSSIAN, np, Sovetskaya Rossiya, 13 Jul 1966, pp. 2.
JPRS 37736

Problems in Construction of Trade Facilities, by A. Bykov, 6 pp.
RUSSIAN, per, Sovetskaya Torgovlya, No 5, 1966, pp. 14-17.
JPRS 37138

The Growth in the Production of Food Products during the New Five-Year Plan, by V. Zotov, 8 pp.
RUSSIAN, per, Sovetskaya torgovlya, No 6, June 1966, pp. 5-8.
JPRS 37188

The Development of Household Appliances in the New Five-Year Plan, by A. Filippov, 6 pp.
RUSSIAN, per, Sovetskaya torgovlya, No 6, June 1966, pp. 19-23.
JPRS 37188

Future Tasks of Soviet Consumer Cooperatives, by I. Davydov, 5 pp.
RUSSIAN, np, Sovetskaya Torgovlya, 2 Jul 1966, pp. 3.
JPRS 37535

Progress in the Meat and Dairy Industry, by S. Antonov, 9 pp.
RUSSIAN, per, Sovetskaya Torgovlya, No 7, July 1966, pp. 6-11.
JPRS 37450

The New Economic System and Commercial Trade, by K. Skovoroda, 3 pp.
RUSSIAN, per, Sovetskaya Torgovlya, No 7, July 1966, pp. 11-10.
JPRS 37450

Soviet Glass and Ceramics Industry Anticipates Record Production, 5 pp.
RUSSIAN, per, Steklo i Keramika, No 5, 1966, pp. 1-3.
JPRS 37535

USSR
Economic (Contd)

The Growth of Labor Productivity in the Building-Ceramics Industry, by B. M. Gartsman, 5 pp.
RUSSIAN, per, Steklo i Keramika, No 6, June 1966, pp. 40-42.
JPRS 37315

Architectural Problems and Research in Urban Construction, by S. Kibirev, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 25 May 1966, p. 2.
JPRS 37315

Long-Lasting Cellular Concrete, by Ye. Silayenkov, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 25 May 1966, p. 2.
JPRS 37315

Progress in the Construction of the North-Crimean Canal, by V. Pankratov, 7 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 19 Jun 1966, pp. 1.
JPRS 37846

Problems of the Five-Year Plan Domestic Materials on the Level of Industrial Production, by A. Sadovskiy, 6 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 1 July 1966, pp. 2-3.
JPRS 37266

Complaints about Tools for Construction, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 8 July 1966, p. 2.
JPRS 37230

Useful Floor Space in Apartments, by B. Rubanenko, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 10 July 1966, p. 3.
JPRS 37230

Uneconomical Design Solutions for Metallurgical Enterprises, by S. Liberman, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 13 Jul 1966, pp. 3.
JPRS 37786

Chemical Protection of Equipment and Structures, by Yu. Dereshkevich, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 15 July 1966, p. 3.
JPRS 37021

USSR
Economic (Contd)

The Machine Park and Profitability, by S. Bakshayev and B. Semenov, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 22 Jul 1966, pp. 1.
JPRS 37748

Future Construction in Moscow, by Ye. Samodayev, 10 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 29 Jul 1966, pp. 2-3.
JPRS 37753

23rd Party Congress Sets Objectives for Construction, Road and Communal Machine Building Industries, by Ye. S. Novoselov, 6 pp.
RUSSIAN, per, Stroitel'nyye i Dorozhnyye Mashiny, No 4, Apr 1966, pp. 1-2.
JPRS 36651

Plastics in Construction and Road Machine Building, by I. A. Soldatekov, N. I. Barash, M. A. Maze, 5 pp.
RUSSIAN, per, Stroitel'nyye i Dorozhnyye Mashiny, No 4, Apr 1966, pp. 34-36.
JPRS 36651

Collaboration on Production of Construction Materials in CEMA, by S. S. Solov'yev, 5 pp.
RUSSIAN, per, Stroitel'nyye Materialy, No 6, 1966, pp. 39-40.
JPRS 37625

Some Results in the Development of Television and Prospects for the Future, 5 pp.
RUSSIAN, per, Tekhnika kino i televideniye, No 6, June 1966, pp. 3-6.
JPRS 37325

Five-Year Plan Goals in Agricultural Machine Industry, 7 pp.
RUSSIAN, per, Tekhnika v Sel'skom Khozyaystve, No 4, 1966, pp. 1-4.
JPRS 37156

New Developments in the Communication Field, by A. Koptev, 9 pp.
RUSSIAN, per, Tekhnika i vooruzheniye, No 5, 1966, pp. 18-23.
JPRS 37345

USSR
Economic (Contd)

The Most Important Factors for Increasing Efficiency of Machine-Building Production, 7 pp.
RUSSIAN, per, Tekhnologiya i Organizatsiya Proizvodstva, No 4, Jul-Aug 1966, pp. 1-4.
JPRS 37783

Planning the Prime Cost of Articles Using Computers, by E. P. Vanyukhina, 5 pp.
RUSSIAN, per, Tekhnologiya i Organizatsiya Proizvodstva, No 4, Jul-Aug 1966, pp. 5-7.
JPRS 37865

Economic Incentives for the Development of Production in Practice in the Work of Textile Enterprises, by A. A. Turchaninov, 9 pp.
RUSSIAN, per, Tekstil'naya promyshlennost', No 6, June 1966, pp. 1-4.
JPRS 37445

Economic Problems at Ust'-Kamenogorsk Lead and Zinc Combine, by V. Zimin, 5 pp.
RUSSIAN, per, Trud, 30 Jun 1966, pp. 2.
JPRS 37536

The Future Tasks of Builders in the Turkmen SSR, by O. Orasmukhamedov, 7 pp.
RUSSIAN, per, Turkmeneskaya Iskra, 14 Aug 1966, pp. 2.
JPRS 37784

Fewer Plan Indices for Machinebuilding under New Planning System, by V. V. Bitunov, 6 pp.
RUSSIAN, per, Vestnik mashinostroyeniya, No 6, 1966, pp. 3-6.
JPRS 37472

Interstate Specialization and Structural Shifts in the Production of European CEMA Member Countries, by M. G. Malyarova, 12 pp.
RUSSIAN, per, Vestnik Moskovskogo Universiteta, No 2, 1966, pp. 78-86.
JPRS 37394

Some Questions in Bringing Closer Together the Economic Levels of CEMA Member-Countries, by Ye. L. Bondarenko, 14 pp.
RUSSIAN, per, Vestnik Moskovskogo Universiteta, No 4, Jul-Aug 1966, pp. 57-67.
JPRS 37773

USSR
Economic (Contd)

Development of the Forms of Economic Collaboration of the CEMA Countries, by D. K. Kononenko, 12 pp.
RUSSIAN, per, Vestnik Moskovskogo Universiteta, No 4, Jul-Aug 1966, pp. 68-77.
JPRS 37773

Annual General Meetings of Departments of the All-Union Academy of Agricultural Sciences imeni V. I. Lenin (VASKhNIL), 60 pp.
RUSSIAN, per, Vestnik Sel'skokhozyaystvennoy Nauki, No 4, 1966, pp. 126-158.
JPRS 37357

Production Specialisation of Sovkhozes in the RSFSR, by B. Pleshkov, 9 pp.
RUSSIAN, per, Vestnik Statistiki, No 7, 1966, pp. 26-33.
JPRS 37547

The USSR -- A Major Exporter of Machinery and Equipment, by I. Andreyev, 16 pp.
RUSSIAN, per, Vneshnyaya trgovlya, No 6, 1966, pp. 3-9.
JPRS 37548

Turbine Development in the New Five-Year Plan, by L. Ioffe and I. Gol'dina, 5 pp.
RUSSIAN, per, Vneshnyaya trgovlya, No 6, 1966, pp. 10-12.
JPRS 37536

Collaboration of the Socialist Nations in the Field of Transport, by B. Gorizontov, 10 pp.
RUSSIAN, per, Vneshnyaya trgovlya, No 6, 1966, pp. 16-19.
JPRS 37548

Trade Agreement between the USSR and the Republic of Singapore, 8 pp.
RUSSIAN, per, Vneshnyaya trgovlya, No 6, 1966, pp. 52-55.
JPRS 37548

Raising the Effectiveness of Capital Investments and the Scientific Methods for Determining It, by T. Khachaturov, 15 pp.
RUSSIAN, per, Voprosy ekonomiki, No 2, Feb 1966, pp. 3-16.
JPRS 37171

Tasks Involved in the Development of the Chemical Industry, by L. Kocnetkov, V. Rebrov and N. Telezkin, 11 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 4, Apr 1966, pp. 24-32.
JPRS 37324

USSR
Economic (Contd)

The Planning of Agricultural Production and Cash Relationships, by M. Terent'yev, 13 pp.
RUSSIAN, per, Voprosy ekonomiki, No 4, Apr 1966, pp. 42-53.
JPRS 37322

Certain Questions Related to the Economic Effectiveness of Irrigated Farming, by G. Raskin, 14 pp.
RUSSIAN, per, Voprosy ekonomiki, No 4, Apr 1966, pp. 54-65.
JPRS 37322

Mechanization of Planned Calculations -- A Step Towards Automation of Computing Systems, by V. Bezrukov, 11 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 4, 1966, pp 66-72.
JPRS 37365

Financing Expenditures for Capital Investments and Repair of Fixed Capital on Sovkhozes, by A. Pakhomov, 8 pp.
RUSSIAN, per, Voprosy ekonomiki, No 4, Apr 1966, pp. 129-134.
JPRS 37322

Foundation of Future Heat-Power Engineering and Industry, by N. Mel'nikov, 11 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 5, May 1966, pp. 11-17.
JPRS 37501

Improving Economic Collaboration in CEMA Countries, by N. Izrael' and Yu Shiryayev, 13 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 5, May 1966, pp. 31-39.
JPRS 37625

Problems of Perfecting the Planning and Management of Production, by V. Chernyavskiy, 19 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, June 1966, pp. 16-27.
JPRS 37544

Determining the Efficient Location of Industry, by N. Shokin, 14 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, June 1966, pp. 23-30.
JPRS 37544

USSR
Economic (Contd)

Problems in the Economics of Agricultural Melioration, by L. Braginskiy, 14 pp.
RUSSIAN, per, Voprosy ekonomiki, No 6, Jun 1966, pp. 63-72.
JPRS 37841

Bringing the Standard of Living of the Workers and Kolkhoz Members Closer Together, by G. Sarkisyan, 13 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, Jun 1966, pp. 73-81.
JPRS 37738

The Capital-Intensiveness of Agricultural Products, by P. Klemyshev, 13 pp.
RUSSIAN, per, Voprosy ekonomiki, No 6, Jun 1966, pp. 82-91.
JPRS 37841

The 23rd CPSU Congress and Problems of Economic Cooperation among the Socialist Nations, by M. Sladkovskiy, 10 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, June 1966, pp. 92-100.
JPRS 37573

Economic Time and Development of Transportation in the CEMA Member Nations, by L. Chertkov, 12 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, 1966, pp. 101-110.
JPRS 37573

Discussion of Prospectus of Institute of Economics Scientific Work on Principles of Political Economy of Socialism, by A. Yerevin, 6 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, June 1966, pp. 153-155.
JPRS 37752

The Application of Economic-Mathematical Methods and Electronic Computers in Controlling Enterprises, by K. Gorfán and A. Modin, 6 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, June 1966, pp. 159-157.
JPRS 37544

16-22 March 1966 Scientific Seminar on Problems of Utilisation of Economic-Mathematical Methods and Models in Long-Range National Economy Planning, 5 pp.
RUSSIAN, per, Voprosy Ekonomiki, No 6, Jun 1966, pp. 158-160.
JPRS 37752

USSR
Economic (Contd)

Methods of Determining the Effectiveness of Foreign Trade, by K. Popov, 12 pp.
RUSSIAN, per, Vneshnyaya Torgovlya, No 6, 1966, pp. 20-25.
JPRS 37913

Soviet Trade Agreements with the CEMA Countries, 5 pp.
GERMAN, per, Wochen Bericht, 12 Aug 1966, pp. 153-154.
JPRS 37549

Agricultural Procurement in the New Five-Year Plan, by L. R. Korniyets, 7 pp.
RUSSIAN, per, Zakupki Sel'skokhozyaystvennikh Produktov, No 6, Jun 1966, pp. 2-6.
JPRS 37460

The Need for Improvement and Planning in Soviet Motorcycle Production, by L. Lasarev and V. Miroslonikov, 6 pp.
RUSSIAN, np, Za Rulem, 7 Jul 1966, pp 10-12.
JPRS 37491

New Tasks, New Requirements, 9 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport, No 7, July 1966, pp. 3-6.
JPRS 37620

Inter-Repair Runs and Utilization of Locomotive Power, by R. G. Cherepashenets, 6 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport, No 7, July 1966, pp. 49-51.
JPRS 37620

Some Statistics on Soviet Belorussia, 8 pp.
RUSSIAN, np, Znanya yunosti, 27 July 1966, p. 1.
JPRS 37382

USSR
Political

Official Soviet Regulations Governing Official and Private Travel of Foreign Nationals in USSR, 6 pp.
RUSSIAN, rpt, No 60/Pr, 22 July 1966, 7 pp.
JPRS 37165

Attempted Murder in Rostov -- People vs Vyshemirskiy, by Ed. Polyanovskiy, 6 pp.
RUSSIAN, np, Izvestiya, 26 May 1966, p. 1.
JPRS 36954

USSR's Continuous Efforts to Secure Peace and Security in Europe, by B. Matveyev, 5 pp.
RUSSIAN, np, Izvestiya, 15 June 1966.
JPRS 37391

Results of Warsaw Political Committee Meeting, by V. Korianov, 9 pp.
RUSSIAN, np, Izvestiya, 21 Jul 1966.
JPRS 37905

The Soviet View of the Worker's Movement in the West, by Ye. Ambartsumov, 6 pp.
RUSSIAN, np, Izvestiya, 24 July 1966, p. 5.
JPRS 37474

The Patriotism and Internationalism of the Soviet People, 13 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 3-11.
JPRS 37106

The May Plenum of the CC CPSU and the Development of Agriculture, by N. Gusev, 16 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 12-23.
JPRS 37106

The Party and the Consolidation of the Kolkhoz Regime, by V. Komyakhov, 16 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 24-34.
JPRS 37106

The Secretary of the Rayon Party Committee, by Nikolay Antonov, 14 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 35-43.
JPRS 37106

The Theory of Reflection: Its Topical Problems, by V. Tyukhtin, 15 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 44-54.
JPRS 37106

USSR
Political (Contd)

Historical Materialism and the Laws Governing the Development of the Socialist Society, by G. Glezerman, 15 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 83-95.
JPRS 37106

On the Criticism of Modern Reformism, by A. Chernyayev, 15 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 106-118.
JPRS 37106

Pages from the History of the National-Liberation Struggle in Asia, by Ye. Bogush, 5 pp.
RUSSIAN, per, Kommunist, No 9, June 1966, pp. 121-124.
JPRS 37106

Party Democracy and the Responsibility of the Party Member, 13 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 3-13.
JPRS 37370

The Political Education of the Masses, by A. Nebenzya, 11 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 14-22.
JPRS 37370

Extensive Creative Work on the Part of the Party Organizations, by V. Dyukov and S. Mogilat, 13 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 23-33.
JPRS 37370

Party Work in the VUZ, by B. Mochalov, 10 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 34-42.
JPRS 37370

The General and the Specific in the Dialectics of Socialism, by M. Rozental', 13 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 74-85.
JPRS 37370

The Communist Movement and International Politics, by D'yula Kallai, 13 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 101-111.
JPRS 37370

USSR
Political (Contd)

The Series "Philosophical Heritage", by I. Andreyeva and A. Gulyga, 8 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 119-123.
JPRS 37370

Soviet Peace Efforts Thwarted by Western Militarism, by A. Zaretskiy, 10 pp.
RUSSIAN, np, Kommunist Estonii, No 4, April 1966, pp. 84-90.
JPRS 37391

Raising the Level of Social Science Research, by G. Dobrov, 20 pp.
RUSSIAN, per, Kommunist Ukrainy, No 5, May 1966, pp. 51-59.
JPRS 37857

Decree of the Plenum of the Central Committee of the Communist Party of the Ukraine Concerning Land Improvement, 5 pp.
RUSSIAN, np, Komsomol'skoye Znamya, 26 June 1966, p. 1.
JPRS 37264

Kurdish National Liberation Movements in 1943-1957, by Sh. K. Mgoi, 23 pp.
ARMENIAN, bk, K'rdakan Azgayin-Azatagrakan Sharzhumnern Irak'un Yerkrord Hamashkharayin Paterazmits' Heto, 1955, pp. 50-106.
JPRS 37379

The Activities of Maksim Litvinov As An "Iskra" Agent, by Z. Sheynis, 7 pp.
RUSSIAN, per, Nauka i Zhizn', No 6, June 1966, pp. 22-25.
JPRS 37131

Decisions of the 23rd Party Congress and Tasks of Juridical Science in Uzbekistan, by Sh. Z. Urazayev, 6 pp.
RUSSIAN, per, Obshchestvennyye nauki v Uzbekistane, No 5, 1966, pp. 3-6.
JPRS 37535

Call for Unity and Solidarity of World-Wide Revolutionary Forces in the Struggle against Imperialism, by V. Tolstikov, 13 pp.
RUSSIAN, per, Politicheskoye Samooobrazovaniye, No 7, 1966, pp. 70-79.
JPRS 37513

USSR
Political (Contd)

Effect of War in Vietnam Upon Relations Between United States and Other Western Powers, by G. Ratiani, 5 pp.
RUSSIAN, np, Pravda, 16 June 1966, p 5.
JPRS 37391

US Policy in Vietnam Roundly Condemned by World Peace Council Geneva Session, by Yuriy Zhukov, 6 pp.
RUSSIAN, np, Pravda, 24 June 1966, p 4.
JPRS 37391

The USSR Procurator-General Comments on the Tasks of the Procurator's Office, by R. Rudenko, 12 pp.
RUSSIAN, per, Sotsialisticheskaya zakonost', No 6, Jun 1966, pp. 3-12.
JPRS 37740

Legal and Practical Questions Dealt With by the Permanent Commissions, by N. P. Ivanishcheva and T. M. Pal'gunova, 10 pp.
RUSSIAN, per, Sovetskoye Gosudarstvo i pravo, No 6, Jun 1966, pp. 112-116.
JPRS 37749

All Efforts Are Directed Toward Carrying Out the Decisions of the 23rd Party Congress, 15 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 6, 1966.
JPRS 37577

Marxist-Leninist Theory Concerning the Political Strategy and Tactics of the Party, by N. I. Shatagin, 17 pp.
RUSSIAN, per, Voprosy istorii, No 8, Aug 1966, pp. 90-100.
JPRS 37676

The XXIII CPSU Congress and the Objects of Psychology, 8 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol XII, No 3, May/June 1966, pp. 3-9.
JPRS 37416

USSR
Military

The Modern Soviet Navy, by Lt. Col. V. Alekseyev, 5 pp.
RUSSIAN, per, Bloknat Armatora, No 13, July 1966, pp. 8-12.
JPRS 36972

Disciplinary Regulations of the USSR Armed Forces, 25 pp.
RUSSIAN, bklet, Distsiplinarnyy Ustav Vooruzhennykh Sil Soyuza SSR, 1966, pp. 4-48.
JPRS 37172

Submarine Rescue Operation, by I. Buzylev and I. Tsyganov, 5 pp.
RUSSIAN, np, Izvestiya, 8 July 1966, p. 4.
JPRS 37304

The Importance of the Role of Conscience in the Personal Development of a Communist, by B. Bezlepkin, 14 pp.
RUSSIAN, per, Kommunist vooruzhennykh sil, No 13, 1966, pp. 32-39.
JPRS 37475

Marxist-Leninist Studies at Khar'kov Higher Command-Engineering School, by A. Chegrinets, 5 pp.
RUSSIAN, per, Kommunist vooruzhennykh sil, No 13, 1966, pp. 66-68.
JPRS 37475

History of Soviet Tank Development, 9 pp.
RUSSIAN, per, Kommunist vooruzhennykh sil, No 15, Aug 1966, pp. 38-42.
JPRS 37389

Soviet Approach to the Question of Fear in Combat, by M. Korobechnikov, 11 pp.
RUSSIAN, per, Kommunist vooruzhennykh sil, No 13, 1966, pp. 58-63.
JPRS 37475

Post Graduate Officer Training, by V. Okunev, 5 pp.
RUSSIAN, np, Krasnaya Zvezda, 16 June 1966, p. 2.
JPRS 37185

Mandatory Adherence to All Regulations, by Colonel I. Besschetnov, 5 pp.
RUSSIAN, np, Krasnaya Zvezda, 23 June 1966, p. 2.
JPRS 37185

USSR
Military (Contd)

A Long Range Submarine Cruise, by V. Khari-
tonov, 6 pp.
RUSSIAN, np, Krasnaya Zvezda, 25 June 1966,
p. 2.
JPRS 37185

Engineering Psychology, by M. Kotik, 5 pp.
RUSSIAN, np, Krasnaya zvezda, 8 July 1966,
p. 2.
JPRS 37154

Survey of Soviet Military Periodicals, 5 pp.
RUSSIAN, np, Krasnaya zvezda, 8 July 1966, pp.
2-3.
JPRS 37154

Methods of Raising the Qualifications of
Ship Navigators, by Yu. Ivanov, 5 pp.
RUSSIAN, np, Krasnaya Zvezda, 10 Aug 1966,
pp. 2.
JPRS 37840

Tactical Training of Military Pilots is of
Great Importance, by G. Dolnikov, 5 pp.
RUSSIAN, np, Krasnaya Zvezda, 12 Aug 1966,
pp. 2.
JPRS 37840

Specialized Mathematical Methods for
Investigating Military Activity, by Lt. Col.
D. Kasakov, 6 pp.
RUSSIAN, np, Krasnaya Zvezda, 1 Sept 1966,
pp. 2 and 3.
JPRS 37737

Naval Officer Training, by Adm N. Vinogradov,
5 pp.
RUSSIAN, np, Krasnaya Zvezda, 17 Sept 1966,
pp. 2.
JPRS 37866

The Soviet People's Naval Holiday, 7 pp.
RUSSIAN, per, Morskoy Sbornik, No 7, 1966,
pp. 3-7.
JPRS 37060

Christian Humanism Serves As Pillar of
Capitalism, by M. Kudryashova, 3 pp.
RUSSIAN, per, Nauka i Religiya, No 5, May 1966,
pp. 16-19.
JPRS 36990

USSR
Military (Contd)

Practice Mission for Missile-Armed Bombers,
by Ye. Mesyatsev, 5 pp.
RUSSIAN, np, Nedelya, 10-16 July 1966, p. 5.
JPRS 37444

Use of Plastics in Armored Tank Equipment,
by I. M. Belkin, L. M. Romantseva, and V. A.
Sukhanova, 37 pp.
RUSSIAN, bk, Plastmassy v Bronetankovoy
Tekhniki, 1965, pp. 65-107.
JPRS 36946

Submarine Transport Ships, 13 pp.
RUSSIAN, per, Podvodnyye Transportny Suda,
1965, pp. 256-263.
Dept of Navy 4916/ONI 2221

Interview with Gen. A. L. Getman, Chairman
of CC DOSAAF USSR, 7 pp.
RUSSIAN, np, Sovetskiy Patriot, 31 July 1966,
pp. 1, 3.
JPRS 37299

Preparation of DOSAAF for the 50th Anniversary
of the October Revolution, by G. Shatunov,
6 pp.
RUSSIAN, np, Sovetskiy Patriot, 14 Aug 1966,
pp. 2.
JPRS 37840

Treatment of Disciplinary Violation, by Yu.
Arkhangel'skiy, 5 pp.
RUSSIAN, per, Sovetskiy Voin, No 11, June
1966, pp. 28-29.
JPRS 37185

Military Nuclear Survival Training, by B.
Abramtsev and V. Modelov, 8 pp.
RUSSIAN, per, Tekhnika i vooruzheniye, No 6,
June 1966, pp. 37-41.
JPRS 36978

Equipment of the Chemical Observation Post,
by V. Modelov, 7 pp.
RUSSIAN, per, Tekhnika i vooruzheniye, No 6,
June 1966, pp. 41-44.
JPRS 36978

A Useful Exchange of Opinions, by K. Abramov,
7 pp.
RUSSIAN, per, Tyl i Snabzheniye Sovetskikh
Vooruzhennykh Sil, No 6, 1966, pp. 35-38.
JPRS 37444

USSR
Military (Contd)

Ways to Further Improve Troop Administration,
by A. Sheremet and F. Burlachuk, 7 pp.
RUSSIAN, per, Tyl i Snabzheniye Sovetskikh
Vooruzhennykh Sil, No 6, 1966, pp. 53-57.
JPRS 37444

Procedure for Releasing Workers and Salaried
Employees at the Initiative of Management,
by J. A. Svirin, 5 pp.
RUSSIAN, per, Tyl i Snabzheniye Sovetskikh
Vooruzhennykh Sil, No 6, 1966, pp. 64-65.
JPRS 37444

On Automating Management, by N. Varlamov and
F. Kotyurgin, 7 pp.
RUSSIAN, per, Tyl i Snabzheniye Sovetskikh
Vooruzhennykh Sil, No 6, 1966, pp. 73-76.
JPRS 37444

Concerning Military Rear Service Terminology,
by V. Kondrashev, 7 pp.
RUSSIAN, per, Tyl i Snabzheniye Sovetskikh
Vooruzhennykh Sil, No 6, June 1966, pp. 91-93.
JPRS 37444

An Important Task, 8 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 3-8.
JPRS 37239

On Enterprise in the Work of Officers, by
Yu. V. Votintsev, 5 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 9-12.
JPRS 37239

Systems-Technique Method of Research, by N. D.
Skornyakov, D. S. Kontorov, 11 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 19-25.
JPRS 37239

A Battalion Training Exercise, by D. F.
Sidorenko, 8 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 35-38.
JPRS 37239

The Secondary Processing of Radar Information,
by V. G. Koryakov, 6 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 45-48.
JPRS 37239

USSR
Military (Contd)

Tandem Connection and Coupling of Telephone
Channels, by N. A. Sobolev, 7 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 49-54
JPRS 37239

Testing Radar Receiver Systems, by Yu. I.
Ksenofontov, 10 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 6, 1966, pp 74-79.
JPRS 37239

Raise the Combat Readiness of the Troops
Tirelessly, by Gen-Col A. F. Shcheglov, 5 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 7, 1966, pp 3-6.
JPRS 37645

Carefully Check Preparations for Firing,
by Col V. T. Voznyy, 5 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 7, 1966, pp 16-18.
JPRS 37645

The Pilot and Flight Safety, by G. A. Tret'yakov,
9 pp.
RUSSIAN, per, Vestnik Protivovozdushnoy
Oborony, No 7, 1966, pp 21-25.
JPRS 37645

The Antenna AGD 4/4 RAD, by V. D. Kuznetsov,
V. K. Paramonov, 9 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

Further Improvement Needed in Methods of Teaching
History of the Military Art, by Major General
P. Yegorov, 17 pp.
RUSSIAN, per, Voyenno-Istoricheskiy Zhurnal,
No 7, 1966, pp. 3-14.
JPRS 37499

Training the Soviet Army Officer Corps, by
Colonel G. Marusev, 9 pp.
RUSSIAN, per, Voennoy Vestnik, No. 7,
1966, pp. 7-11.
JPRS 37541

USSR
Military (Contd)

The Time Factor in Combat, 8 pp.
RUSSIAN, per, Voyennyy Vestnik, No. 7, 1966,
pp. 3-11.
JPRS 37541

Determination of Nuclear Blast Parameters,
by Colonel F. Vorob'yev, 5 pp.
RUSSIAN, per, Voyennyy Vestnik, No. 7, 1966,
pp. 47-49.
JPRS 37541

Servicing of Combat Materiel, 5 pp.
RUSSIAN, per, Voyennyy Vestnik, No. 7, 1966,
pp. 53-55.
JPRS 37541

Privileges Granted to Military Candidates
for Admission to Higher Educational
Establishments, by Colonel V. Konoplyanik
and Colonel I. Vakurov, 5 pp.
RUSSIAN, per, Voyennyy Vestnik, No. 7, 1966,
pp. 60-62.
JPRS 37541

DOSAAF Training, 8 pp.
RUSSIAN, per, Voyennyye Znaniya, No 7, 1966,
pp. 1-4.
JPRS 37562

The Committee is the Organizer of Defense-
Mass Work, by G. Shatunov, 6 pp.
RUSSIAN, per, Voyennyye Znaniya, No 7, 1966,
pp. 2-4.
JPRS 37562

Treating Crops, by A. Mil'skiy, 7 pp.
RUSSIAN, per, Voyennyye Znaniya, No 7, 1966,
pp. 22-23.
JPRS 37562

Detachment Exercise, by Lieutenant Colonel
A. Strigin, 10 pp.
RUSSIAN, per, Voyennyye Znaniya, No 7, 1966,
pp. 26-28.
JPRS 37562

USSR
Geographic

From Moscow to Leningrad by Waterway,
by Vs. Kalistratov, 47 pp.
RUSSIAN, rpt, 1965, pp 65-97.
DIA LN 378-66

Variations in Merchantability and Ages of
Technical Maturity of Volga Region Mountain
Stands of Oak High Forests in the Chuvash ASSR,
by M. M. Mikhailov,
RUSSIAN, per, Izvestiya VUZ Lesnoi Zhurnal, Vol
IV, No 5, 1961, pp 16-20.
CFSTI TT 66-51101

Soviet Antarctic Expeditions,
by A. V. Nudel'man, 108 pp.
RUSSIAN, bk, Sovetskie Ekspeditsii v Antarktiku
1955-1959 gg, Moscow, 1959.
CFSTI TT 65-50146

Sixth Continental Expedition, 1960-62,
by V. M. Driatskiy, 336 pp.
RUSSIAN, rpt, Transactions of the Soviet
Antarctic Expedition, Vol XLIII, 1965,
pp 5-171.
Dept of Navy 4913/ONI 2224

Sociological

Contract Payment for Labor, by Yu. Pak,
6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 29,
July 1966, p. 33.
JPRS 37346

The Socialist Principle of Distribution
According to Labor, by V. Gavrish, 11 pp.
RUSSIAN, per, Ekonomika Sovetskoy Ukrainy,
No 3, Mar 1966, pp. 23-27.
JPRS 37489

USSR
Sociological (Contd)

Suggested Expansion of Rights Granted to
Institutions of Higher Learning, by M. Anuchin,
6 pp.
RUSSIAN, np, Izvestiya, 14 Aug 1966, pp. 2.
JPRS 37464

Methodological Problems in the Science of
Literature, by A. Bushmin, 15 pp.
RUSSIAN, per, Kommunist, No 9, June 1966,
pp. 55-67.
JPRS 37106

Estimating Public Labor Outlays, by M. Kol-
ganov, 13 pp.
RUSSIAN, per, Kommunist, No 9, June 1966,
pp. 96-105.
JPRS 37106

Progress Report on Scientist and Teacher
Training Program in the Moldavian SSR, by
G. Byrka, 11 pp.
RUSSIAN, per, Kommunist Moldavii, No 5,
1966, pp. 51-57.
JPRS 37739

Organization of Vocational Guidance and
Information Urged, by A. Solov'yev, 5 pp.
RUSSIAN, np, Komsomol'skaya Pravda, 9 June
1966.
JPRS 37024

Religious Beliefs of the Kurdish People of
the USSR, by T. F. Aristova, 10 pp.
RUSSIAN, bk, Kurdy Zakavkaz'ya, 1966,
pp. 168-177.
JPRS 37036

The Growing Need for Specialists with Higher
Education, by Yu. Shneyder, 5 pp.
RUSSIAN, np, Leningradskaya Pravda, 19 May
1966, p. 2.
JPRS 37347

Drunkenness As A Cause of Hooliganism in the
USSR, by Yu. Luk'vanov, 6 pp.
RUSSIAN, np, Leningradskaya Pravda, 29 May
1966, pp. 2-3.
JPRS 36964

Report on the Laboratories of the All-Union
Scientific-Research Institute of Railway
Hygiene, by A. Khromchenko, 5 pp.
RUSSIAN, np, Meditsinskaya Gazeta, 5 Aug 1966,
pp. 4.
JPRS 37567

USSR
Sociological (Contd)

Career Advancement for Young Specialists,
by F. Filippov, 5 pp.
RUSSIAN, per, Molodoy Kommunist, No 5, 1966,
pp. 65-67.
JPRS 37543

Tasks and Prospects of Development of Extended-
Day Groups, by V. V. Ryazanova, 5 pp.
RUSSIAN, per, Nachal'naya Shkola, No 5, 1966,
pp. 11 & 12.
JPRS 37378

Preparation of Six-Year-Olds for School, 9 pp.
RUSSIAN, per, Nachal'naya Shkola, No 5, 1966,
pp. 16-19.
JPRS 37378

The Unequality of Women as Preached by the
Koran, by T. Saidbayev, 8 pp.
RUSSIAN, per, Nauka i Religiya, No 6, June
1966, pp. 14-17.
JPRS 37527

Soviet Educator Censures Newly Proposed
Educational Program, by B. Likhachev, 12 pp.
RUSSIAN, per, Nachal'naya Shkola, No 6, June
1966, pp. 44-48.
JPRS 37580

Militant Tasks of the Educational Workers for
the Five-Year Plan, 12 pp.
RUSSIAN, per, Narodnoye Obezovaniye, No 5,
1966, pp. 2-7.
JPRS 37378

Koran Teaches Intolerance and Hypocrisy, by
T. Saidbayev, 7 pp.
RUSSIAN, per, Nauka i Religiya, No 5, May 1966,
pp. 20-23.
JPRS 36990

The Myth about Islamic Monuments in Uzen,
by Yu. Petrash, 6 pp.
RUSSIAN, per, Nauka i Religiya, No 6,
June 1966, pp. 22-24.
JPRS 37527

How to Teach and Learn, by N. Bobnev and M.
Rostorzhuk, 8 pp.
RUSSIAN, per, Nedelya, No 26, 19-25 Jun 1966,
pp. 4-5.
JPRS 37577

USSR
Sociological (Contd)

Pension Security in the Soviet Union, by V. Karavaev, 5 pp.
RUSSIAN, per, Okhrana Truda i Sotsial'noye Strakhovaniye, No 6, June 1966, pp. 6-8.
JPRS 37300

Some Problems in the Recruitment of School Graduates for Work in Industry, Agriculture, and Trade, by V. Kochemasov, 10 pp.
RUSSIAN, per, Partiyaya Zhizn', No 11, 1966, pp. 20-25.
JPRS 37604

Changes in the Social Structure of Soviet Society, by M. Rutkevich, 7 pp.
RUSSIAN, np, Pravda, 16 June 1966, pp. 2-3.
JPRS 37300

Delays Reported in Construction of New Moscow Television Center, by L. Pochivalov, 6 pp.
RUSSIAN, np, Pravda, 19 June 1966, p. 3.
JPRS 37395

Sociological Research on the Introduction of the Five-Day Week, by L. Kolobov, 5 pp.
RUSSIAN, np, Pravda, 24 June 1966, pp. 2-3.
JPRS 37321

History of the Resistance to Franco, by Dolores Ibarruri, 6 pp.
RUSSIAN, np, Pravda, 18 Jul 1966, p. 4.
JPRS 37070

A Report on an Experiment in Aesthetics and Labor Psychology, by N. Il'inskiy, 5 pp.
RUSSIAN, np, Pravda, 21 Jul 1966, pp. 2.
JPRS 37718

Tasks of Professional-Technical Education in the New Five-Year Plan, by A. Bulgakov, 11 pp.
RUSSIAN, per, Professional'no-tekhnicheskoye obrazovaniye, No 5, 1966, pp. 1-3.
JPRS 37375

For the Graduates of Secondary Schools -- A Wide Road to Professional Technical Schools, by P. Kuz'michev, 6 pp.
RUSSIAN, per, Professional'no-tekhnicheskoye obrazovaniye, No 5, 1966, pp. 7 & 8.
JPRS 37375

USSR
Sociological (Contd)

More Manual Training Needed in Secondary Schools to Train Students for Blue-Collar Jobs, by K. A. Ivanovich, 5 pp.
RUSSIAN, per, Shkola i proizvodstvo, No 6, 1966, pp. 8-9.
JPRS 37604

Recommendations of the "Indoctrination of a Communist Attitude toward Labor among Students" Section at the All-Union Conference on Problems of the Indoctrination of Senior-Class Students, 10 pp.
RUSSIAN, per, Shkola i proizvodstvo, No 6, 1966, pp. 10-13.
JPRS 37604

Job Placement of School Graduates, by A. V. Putintsev, 5 pp.
RUSSIAN, per, Shkola i Proizvodstvo, No 6, Jun 1966, pp. 21-23.
JPRS 37738

For Improving Scientific Labor Organization, by Ye. Smirnov, 12 pp.
RUSSIAN, per, Sotsialistichiy Trud, No 5, May 1966, pp. 44-53.
JPRS 37300

Preparation for Further Studies and Job Placement of Graduates, by I. Klimov, 5 pp.
RUSSIAN, np, Sovetskaya Belorossiye, 2 Jun 1966.
JPRS 37538

Decline of Judaism in Moldavia, by M. Kogan, 6 pp.
RUSSIAN, np, Sovetskaya Moldaviya, 7 July 1966, pp. 3-4.
JPRS 37261

The Annual Meeting of the Academy of Pedagogical Sciences RSFSR, by L. Todorov, 7 pp.
RUSSIAN, per, Sovetskaya pedagogika, No 4, Apr 1966, pp. 154-157.
JPRS 37105

Report on Results of 1965 Activities and Future Tasks of Academy of Pedagogical Sciences RSFSR, by E. I. Monosson, 18 pp.
RUSSIAN, per, Sovetskaya Pedagogika, No 5, May 1966, pp. 13-26.
JPRS 37754

USSR
Sociological (Contd)

Discussion in Presidium of Academy of Pedagogical Sciences RSFSR on Improving the Organization of Scientific Research in Institutes of the Academy, 5 pp.
RUSSIAN, per, Sovetskaya Pedagogika, No 5, May 1966, pp. 152-154.
JPRS 37754

Problems in the Economics of Public Education, by I. Koroleva, 6 pp.
RUSSIAN, per, Sovetskaya Pedagogika, No 5, May 1966, pp. 154-157.
JPRS 37754

The Need for Improving the Quality of Legal Investigations, by B. Alekseyev, 8 pp.
RUSSIAN, per, Sovetskaya yustitsiya, No. 11, Jun 1966, pp. 10-12.
JPRS 37749

Reserves for Increase of Labor Productivity in Construction by "NOT", 8 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 20 July 1966, pp. 2.
JPRS 37543

Progress in Domestic Services, 5 pp.
RUSSIAN, np, Trud, 15 July 1966, p. 2.
JPRS 37445

Current Problems in Soviet Education Discussed at Pre-Party Congress Conference, 9 pp.
RUSSIAN, np, Uchitel'skaya Gazeta, 5 Mar 1966, pp. 1-2.
JPRS 36991

Teachers Must Also Be Scientists, by M. Kachurin, 5 pp.
RUSSIAN, np, Uchitel'skaya Gazeta, 22 Mar 1966, p. 2.
JPRS 36991

The Mathematics of Thought, by Vl. Keler, 5 pp.
RUSSIAN, per, Uchitel'skaya Gazeta, 2 Jul 1966, pp. 3.
JPRS 37557

Historical Science and Sociological Research, by A. M. Gayevs'ky and G. M. Shevchuk, 20 pp.
UKRAINIAN, per, Ukrayins'kyi Istorychnyy Zhurnal, No 6, 1966, pp. 27-39.
JPRS 37591

USSR
Sociological (Contd)

Number and Distribution of the Population of the USSR, by S. Bekunova, 14 pp.
RUSSIAN, per, Vestnik Statistiki, No 6, June 1966, pp. 26-36.
JPRS 36933

Statistical Data on Soviet Labor, 5 pp.
RUSSIAN, per, Vestnik statistiki, No 6, June 1966, pp. 83-92.
JPRS 37300

Statistical Data on Soviet Education, 8 pp.
RUSSIAN, per, Vestnik statistiki, No 6, June 1966, pp. 93-96.
JPRS 37336

Contribution of Programmed Instruction to Raising the Quality of Training of Specialists, by V. P. Yelyutin, 6 pp.
RUSSIAN, per, Vestnik Vysshey Shkoly, No 7, 1966.
JPRS 38065

Status and Prospects of the Development of Programmed Instruction, by A. I. Berg, 9 pp.
RUSSIAN, per, Vestnik Vysshey Shkoly, No 7, 1966.
JPRS 38065

Subsections Discuss Achievements and Problems for Further Research, 5 pp.
RUSSIAN, per, Vestnik Vysshey Shkoly, No 7, 1966.
JPRS 38065

The World Communist Movement in the Fight for the Unity of Its Ranks, by V. V. Zagladin, 19 pp.
RUSSIAN, per, Voprosy Istorii KPSS, No 6, 1966, pp. 3-18.
JPRS 37097

Development of the Public Health Service in Tadzhik SSR during 1959-1965, by N. A. Leonov and Ya. T. Tadzhiyev, 9 pp.
RUSSIAN, per, Zdravookhraneniye Tadzhikistana, Vol XIII, No 3, 1966, pp. 5-10.
JPRS 37372

Special Concern for Future of School Graduates Shown in Belorussian SSR, by I. Klimov, 6 pp.
RUSSIAN, np, Znannya Yunosti, 3 June 1966,
JPRS 37305

EASTERN EUROPE

Economic

Prospects for Development of Mirdite Rreth, by Zef Cara, 5 pp.
ALBANIAN, np, Bashkimi, Vol 24, 5 Aug 1966, pp. 3.
JPRS 37764

Decree No 4142 on Territorial Administrative Changes, 9 pp.
ALBANIAN, per, Gazeta Zyrtare, No 3, 7 June 1966, pp. 84-90.
JPRS 37533

Minister of Constructions Discusses Plans in His Field, by Shinas Dragoti, 8 pp.
ALBANIAN, np, Zeri i Popullit, 28 Jul 1966, pp. 1-2.
JPRS 37764

Plans for Development of Petroleum Industry, by Ramiz Khabija, 5 pp.
ALBANIAN, np, Zeri i Popullit, 31 July 1966, p. 2.
JPRS 37310

Changes in the System of Indicators and in the Sequence and Methods of Planning in Bulgaria, by Grisha Filipov, 69 pp.
BULGARIAN, rpt, 1966, pp. 3-131.
JPRS 36947

Contracts and Taxes Under the New System of Planning and Economic Management, 103 pp.
BULGARIAN, pamphlet, 1966.
JPRS 37822

Amendments and Supplements to the General Income Tax Law, by G. Traykov, 8 pp.
BULGARIAN, per, Durzhaven vestnik, No 52, 5 July 1966, pp. 1-2.
JPRS 37205

Amendments and Supplements to the Regulation Governing the Internal Procedures of the Bulgarian National Assembly, by G. Taykov, 6 pp.
BULGARIAN, per, Durzhaven vestnik, No 52, 5 July 1966, pp. 2-3.
JPRS 37109

Eastern Europe Economic (Contd)

Decree on Speeding the Solution to the Housing Problem in Bulgaria, 6 pp.
BULGARIAN, per, Durzhaven vestnik, No 61, Aug 1966, pp. 1-2.
JPRS 37507

Extract From Decree No. 152 of 2 August 1966 on the Establishment of State Economic Combines in the Ministry of Chemistry and Metallurgy, 6 pp.
BULGARIAN, np, Durzhaven Vestnik, No 64, 16 Aug 1966, pp. 3.
JPRS 37490

The Basic Directions in the Development of the Shumen Regional Electric Power System Up To 1980, by Engineer M. Spirov, 7 pp.
BULGARIAN, per, Energetika, No 5, May 1966, pp. 3-6.
JPRS 37490

The Status of Electric Power Plant Construction, by Diko Shoykov, 5 pp.
BULGARIAN, per, Energetika, No 6, Jun 1966, pp. 1-2.
JPRS 37761

Financing and Crediting of Social Enterprises, by Dimitur Bazhdarov, 43 pp.
BULGARIAN, pamphlet, Finansirane i kreditirane na sotsialisticheskite predpriyatiya, No 4, 1966, pp. 3-77.
JPRS 36961

Factors and Courses of Improvement in the Territorial Distribution of Machinebuilding of Bulgaria, by Vasil Vasilev and Slavcho Yordanov, 15 pp.
BULGARIAN, per, Ikonomicheska misul, No 4, Apr 1966, pp. 24-37.
JPRS 37636

Some Problems Relating to the Intensification of Production on the TEKS's (Cooperative Farms), by Petko Marinov and Nikola Andreev, 16 pp.
BULGARIAN, per, Ikonomicheska misul, No 4, Apr 1966, pp. 38-51.
JPRS 37731

Poland and GEMA, by Georgi Baburski, 5 pp.
BULGARIAN, per, Ikonomicheski zhivot, No 8, 2 Aug 1966, pp. 6.
JPRS 37711

Eastern Europe
Economic (Contd)

Profit and Loss Accounting in An Industrial Enterprise in the Light of the New System of National Economic Planning and Management, by Prof. Vasil Rankov, 10 pp.
BULGARIAN, per, Izvestiya na Visshiya institut za narodno stopanstvo "Dimitur Blagoev", No 1, Jan-Mar 1966, pp. 3-13.
JPRS 37447

Monetary Relations between the State and Socialist Enterprises under the New System of Planning and Management, by Stefan Markovich, 16 pp.
BULGARIAN, per, Izvestiya na Visshiya institut za narodno stopanstvo "Dimitur Blagoev", No 1, Jan-Mar 1966, pp. 29-44.
JPRS 37447

Agricultural Production Planning at a Higher Scientific Level, by Slavi Neshev, 8 pp.
BULGARIAN, per, Kooperativno zemedelie, No 7, July 1966, pp. 4-6.
JPRS 37634

Mutually Profitable and Effective Cooperation Between Bulgaria and the USSR, by Vulko Mladenov, 7 pp.
BULGARIAN, per, Novo vreme, No 6, Jun 1966, pp. 106-109
JPRS 37531

The Effectiveness of Importing Electric Power in Comparison With Other Sources for Meeting the Electric Power Balance of Bulgaria by, Kh. Ovcharov, A. Tsenova and D. Khinkov, 14 pp.
BULGARIAN, per, Planovo stopanstvo i statistika, No 6, Jun 1966, pp. 17-28.
JPRS 37490

Certain Results in the Area of Coordinating Scientific and Technical Research Within CEMA, by N. Bogoroditski, 6 pp.
BULGARIAN, per, Planovo stopanstvo i statistika, No 6, Jun 1966, pp. 29-33.
JPRS 37531

Improving the Planning of Retail Trade in Bulgarian Trade Enterprises, by Krum St. Aleksandrov, 8 pp.
BULGARIAN, per, Planovo stopanstvo i statistika, No 6, June 1966, pp. 48-53.
JPRS 37507

Bulgarian Inventors and Efficiency Experts Receive Awards, 10 pp.
BULGARIAN, per, Ratsionalizatsiya Standartizatsiya, No 6, Jun 1966, pp. 19-21.
JPRS 37555

Eastern Europe
Economic (Contd)

The System of Financial Control in Hungary, by Lyuben Stanev, 9 pp.
BULGARIAN, per, Schetovodstvo i kontrol, No 4, May 1966, pp. 49-54.
JPRS 37109

Some Problems in Construction Specialization in Bulgaria, by Pencho Shishkov, 10 pp.
BULGARIAN, per, Stroitelstvo, No 5, May 1966, pp. 1-4.
JPRS 37614

Internal Cost Accounting of An Industrial Enterprise, by Emil Khristov, 63 pp.
BULGARIAN, pamphlet, Vutreshnata stopanska smetka v promishlenoto predprivatie, No 2, 1966, pp. 3-126.
JPRS 36962

Field Classification, Specialization and Concentration in Industry, by Jaroslav Blahnik, 12 pp.
CZECH, per, Dokumentacni prehled, No 24, 3 June 1966, pp. E5-E17.
JPRS 37109

A Year of Fruitful Cooperation, by I. Volovchenko, 11 pp.
CZECH, per, Mezinarodni zemedelsky casopis, No 2, 1966, pp. 5-9.
JPRS 37287

Exchange of Experiences with Industrial Poultry Production Organizations, by S. Wawrzynczak and M. Romaskin, 7 pp.
CZECH, per, Mezinarodni zemedelsky casopis, No 2, 1966, pp. 9-13.
JPRS 37287

Increasing Cooperation to Intensify and Industrialize Poultry Production, by Joachim Micek, 9 pp.
CZECH, per, Mezinarodni zemedelsky casopis, No 2, 1966, pp. 14-17.
JPRS 37287

International Experiments with Winter Rye and Oats in the CSSR, by Miroslav Trnka, 12 pp.
CZECH, per, Mezinarodni zemedelsky casopis, No 2, 1966, pp. 17-21.
JPRS 37287

Directive on Use of Students in Agriculture, 6 pp.
CZECH, per, Sbirka zakonu Ceskoslovenske socialisticke republiky, Vol 1966, Section 15, 24 June 1966, pp. 153-155.
JPRS 37419

Eastern Europe
Economic (Contd)

1965 Results From Czechoslovak State Farms, 16 pp.
CZECH, per, Statni statky, Vol 1966, No 7, Jul 1966, Special supplement, pp. 1-3.
JPRS 37814

Internal Organisation of Agricultural Enterprises Under the New Improved System of Management, 19 pp.
CZECH, per, Statni statky, Vol 1966, No 7, Jul 1966, pp. 103-108.
JPRS 37814

Development of Merchant Shipping, 6 pp.
GERMAN, per, Aussenhandel und Innerdeutscher Handel, Vol XVI, No 7, Jul 1966, pp. 50-51.
JPRS 37847

The Next Tasks of the Trade Banks, by Herbert Kross, 11 pp.
GERMAN, per, Deutsche Finanzwirtschaft, No 12, June 1966, pp. G 2- G 5.
JPRS 37239

The Legal Position of Semi-State Enterprises, by Dr. Horst Langer and Dr. Rudolf Streich, 6 pp.
GERMAN, per, Deutsche Finanzwirtschaft, No 12, June 1966, pp. S 16- S 17.
JPRS 37239

The German Bank of Issue and the State Council Decree of 2 July 1965, by Brigitte Pflug, 9 pp.
GERMAN, per, Deutsche Finanzwirtschaft, No 13, July 1966, pp. G2-G5.
JPRS 37109

Determination of the Volume and Rate of Money Turnover, by Helmut Egerland, 5 pp.
GERMAN, per, Deutsche Finanzwirtschaft, No 14, Jul 1966, pp. G 14-G 15.
JPRS 37767

New Methods of Investment Financing in Two Industrial Ministries, by Dr. Ekkehard Sauer, 7 pp.
GERMAN, per, Deutsche Finanzwirtschaft, No 15, Aug 1966, pp. 6-8.
JPRS 37767

Crop and Weather Report, 11 June - 10 July 1966, by D. Kramblegel, 5 pp.
GERMAN, per, Die Deutsche Landwirtschaft, No 8, Aug 1966, pp. 415-416.
JPRS 37615

Eastern Europe
Economic (Contd)

Collective Democracy and New Economic System, by Klaus Heuer, 14 pp.
GERMAN, per, Einheit, Vol 21, No 6, June 1966, pp. 725-733.
JPRS 36993

Planned Economy and Market, by Wolfgang Berger, 9 pp.
GERMAN, per, Einheit, Vol XXI, No 7, July 1966, pp. 851-856.
JPRS 37123

Technology of the Recovery of Liquid Products in the Pressure Gas Works of the Schwarze Pumpe Combine, by Dr. Heinz Schädlich, 9 pp.
GERMAN, per, Energietechnik, Vol 16, No 6, June 1966, pp. 241-244.
JPRS 37000

Decree on the Statute of the State Planning Commission, 10 pp.
GERMAN, per, Gesetzblatt der Deutschen Demokratischen Republik, Part II, No 71, 6 July 1966, pp. 453-458.
JPRS 36965

The Institute of Socialist Economic Management Training Ground for Leadership Cadres, by Dr. Paul Reuss, 8 pp.
GERMAN, per, Der Handel, No 6, June 1966, pp. 247-249.
JPRS 36937

Pocketbook for Canning, by Nehring-Krause.
GERMAN, rpt, Konserventechnisches Taschenbuch, 1963, pp 575-590.
ACSI J-0602
ID 2204043866

Effect of Price and Profit on Rolled Steel Production, by Erich Schmidt and Gerhard Winkler, 13 pp.
GERMAN, per, Neue Huette, Vol 11, No 6, June 1966, pp. 330-337.
JPRS 37288

Increased Output of Electric Arc Furnaces in A Fine Steel Plant Following Reconstruction, by Heinrich Jahn and Gunter Ehrig, 10 pp.
GERMAN, per, Neue Huette, Vol 11, No 7, July 1966, pp. 391-395.
JPRS 37148

Eastern Europe
Economic (Contd)

Economic Development Trends in East Germany and Poland in 1965, by R. F. L., 6 pp.
GERMAN, per, Neue Zürcher Zeitung, 29 June 1966, p. 11.
JPRS 36965

Agriculture and the Sugar Industry, by Georg Ewald, 6 pp.
GERMAN, per, Presse-Informationen, No 80, 13 July 1966, pp. I-II.
JPRS 36993

Development of Television Set Sales in 1965, by H. Scholz, 8 pp.
GERMAN, per, Radio und Fernsehen, No 15, Aug 1966, pp. 451-453.
JPRS 37766

Development of Ship Operating Techniques on Ships of the Rostock East German Shipping Company During Current Phase of the Technological Revolution, by G. Freiberg, 8 pp.
GERMAN, per, Schiffbautechnik, Vol 16, No 4, 1966, pp. 214-218.
JPRS 37766

New Ships Built in East German Shipyards, by G. Kalweit, 5 pp.
GERMAN, per, Seeverkehr, No 7, July 1966, pp. 276-277.
JPRS 37306

Information on Motor Freighter Type VI, by H. Krause, 5 pp.
GERMAN, per, Seeverkehr, No 7, July 1966, pp. 283-289.
JPRS 37306

Results of the 13th Session of the CEMA Permanent Commission for Standardisation, by G. Taubrich, 5 pp.
GERMAN, per, Standardisierung, Vol 12, No 7, part 1, Jul 1966, pp. 272-273.
JPRS 37767

Problems of Price and Cost Statistics for Industrial Products Starting in 1966, by Gerhard Heske, 5 pp.
GERMAN, per, Statistische Praxis, Vol 21, No 6, June 1966, pp. 234-235.
JPRS 37123

The Development of the Textile Industry in the GDR, by Hannelore Müller, 10 pp.
GERMAN, per, Statistische Praxis, Vol 21, No 6, June 1966, pp. 239-242.
JPRS 37122

Eastern Europe
Economic (Contd)

Construction Costs and Construction Times for Building New Dwelling Units in the GDR, by Karl-Heinz Manzel, 7 pp.
GERMAN, per, Statistische Praxis, Vol 21, No 6, June 1966, pp. 243-244.
JPRS 37122

New Tasks of the Bezirk-Managed Industry in the Second Stage of the New Economic System, by Dr. Udo-Dieter Wange, 10 pp.
GERMAN, per, Vertragssystem, No 7, July 1966, pp. 385-383.
JPRS 37254

Long-Term Balancing of Construction for Greater Effectiveness in the Investment Process, by Dr. Joachim Tesch and Else Jung, 8 pp.
GERMAN, per, Die Wirtschaft, No 21, 26 May 1966, pp. 3-4.
JPRS 37179

Price Policy in the Second Stage of the New Economic System, by Walter Halbritter, 26 pp.
GERMAN, per, Die Wirtschaft, 23 June 1966, pp. 9-12.
JPRS 36965

East Germany's Economy During the First Half of 1966, 7 pp.
GERMAN, per, Wochen Bericht, No 35, 2 Sept 1966, pp. 165, 168.
JPRS 37780

Problems of Equipping Standard Gauge Locomotives with Automatic Couplings, by M. Glos, 12 pp.
GERMAN, per, Zeitschrift der Organisation für die Zusammenarbeit der Eisenbahnen OSZhD, No 2, May-June 1966, pp. 4-8.
JPRS 37027

Information on OSZhD Committee Work, 26 pp.
GERMAN, per, Zeitschrift der Organisation für die Zusammenarbeit der Eisenbahnen OSZhD, No 3, May-June 1966, pp. 19-31.
JPRS 37027

Hungarian Production of Geodetic Instruments, by Gyorgy Balogh and Janos Fedete, 12 pp.
HUNGARIAN, per, Geodezia es Kartografia, Vol 18, No 3, 1966, pp. 206-213.
JPRS 37558

The Role of Fixed Asset Management in the New Economic Mechanisms, by Kalman Szabo and Miklos Mandel, 15 pp.
HUNGARIAN, per, Korgazdasagi Szemle, No 5, May 1966, pp. 525-538.
JPRS 37123

Eastern Europe
Economic (Contd)

The Earning of Foreign Exchange at the Hungarian Air Transport Enterprise, by Kalman Kertai, 6 pp.
HUNGARIAN, per, Kozlekedesi Kozlony, Vol 22, No 25, 19 June 1966, pp. 423-425.
JPRS 37437

Reform of the Economic Mechanism, by Gyorgy Varga, 17 pp.
HUNGARIAN, per, Kozgazdasagi Szemle, No 7-8, Jul-Aug 1966, pp. 785-797.
JPRS 37441

The Organization of the Market, 15 pp.
HUNGARIAN, per, Kozgazdasagi Szemle, No 7-8, Jul-Aug 1966, pp. 798-810.
JPRS 37441

Economic Policy of the Socialist Large Enterprise, by Pal Szilagyi, 17 pp.
HUNGARIAN, per, Kozgazdasagi Szemle, No 7-8, Jul-Aug 1966, pp. 802-876.
JPRS 37447

Debates of the Hungarian Academy of Sciences on the Reform of the Economic Guidance System, 17 pp.
HUNGARIAN, per, Magyar Tudomany, No 4, Apr 1966, pp. 244-54.
JPRS 36957

The Problems of Organizing Scientific Research in Hungary, by Zoltan Gyulai, 6 pp.
HUNGARIAN, per, Magyar Tudomany, No 4, 1966, pp. 255-259.
JPRS 36955

Activities of the Corporate Organs of the Hungarian Academy of Sciences, by Ibolya Kardos, 8 pp.
HUNGARIAN, per, Magyar Tudomany, No 4, Apr 1966, pp. 260-264.
JPRS 36956

The Hungarian Textile Industry, by Endre Jely and Jeno Vegrari, 14 pp.
HUNGARIAN, per, Statistikai Szemle, No 7, July 1966, pp. 675-684.
JPRS 37425

Conservation and Use of Hungary's Arable Land, by Dr. Pal Pillis, 8 pp.
HUNGARIAN, per, Tarsadalmi Szemle, Nos. 7/8, Jul/Aug 1966, pp. 138-144.
JPRS 37067

Eastern Europe
Economic (Contd)

The Task of the Railroad during the Third Five-Year Plan, by Lajos Hollo, 17 pp.
HUNGARIAN, per, Vasut, Part I -- No 6, June 1966, pp. 1-3, and Part II -- No 7, July 1966, pp. 1-4.
JPRS 37637

Economic Aspects of the Development of Polyamide Fiber Production in Poland, by Stanislaw Pelka, 10 pp.
POLISH, per, Chemik, No 5, May 1966, pp. 156-159.
JPRS 37147

1966 Goals of the Oswiecim Chemical Plants, by Andrzej Donimirski, 6 pp.
POLISH, per, Chemik, No 5, May 1966, pp. 165-166.
JPRS 37147

Polish Electric Power Engineering in the Years 1965 to 1966, by Franciszek Brzozowski, 13 pp.
POLISH, per, Energetyka, No 5, May 1966, pp. 129-132.
JPRS 37148

Proposed Plan for Development of Electric Power System, by Piotr Kizewski, 7 pp.
POLISH, per, Energetyka, No 6, June 1966, pp. 161-163.
JPRS 37425

Molybdenum Disulfide: A New Lubricant in Poland, by T. Petrys and R. Kijkowska, 6 pp.
POLISH, per, Energetyka, No 6, June 1966, pp. 170-174.
JPRS 37425

Results of the Management of Surplus Supplies by the Common Council, by Janusz Szymanczyk, 15 pp.
POLISH, per, Gospodarka Materialowa, No 14, 15-31 July 1966, pp. 473-479.
JPRS 37530

The Development of Waterways and the Water Economy in Poland, by Mgr. Janusz Grochulski, 8 pp.
POLISH, per, Gospodarka Wodna, No 6, June 1966, pp. 201-204.
JPRS 36940

Exports of Animal Products and Imports of Grains and Seed, by Eugeniusz Harasim, 13 pp.
POLISH, per, Handel Zagraniczny, Vol XI, No 7, 1966, pp. 292-297.
JPRS 37011

Eastern Europe
Economic (Contd)

Achievements and Goals of the Metallurgical Industry, J. Hryniewicz, 10 pp.
POLISH, per, Hutnik, No 7-8, Jul-Aug 1966, pp. 265-269.
JPRS 37761

CEMA: A Bouquet of Problems, by Andrzej A. Mroczek, 6 pp.
POLISH, per, Kierunki, No 33, 14 Aug 1966, pp. 4.
JPRS 37760

The Expansion of the Production of Measuring and Control Equipment in 1966-1970, 6 pp.
POLISH, per, Mechanik, No 6, Jun 1966, pp. 293-294.
JPRS 37463

Present and Future Utilization of Industrial Scraps at the Lenin Metallurgical Plant, by K. Skrzypek, 14 pp.
POLISH, per, Problemy Projektowe Hutnictwa i Przemyslu Maszynowego, No 5, May 1966, pp. 156-160.
JPRS 37610

Polish Electric Power Industry in 1965, by Franciszek Brzosowski, 9 pp.
POLISH, per, Przegląd Elektrotechniczny, No 7, Jul 1966, pp. 287-289.
JPRS 37490

Investment Achievements and Goals of the Ministry of Mining and Electric Power, by Jan Mitrega, 11 pp.
POLISH, per, Przegląd Gorniczy, No 6, June 1966, pp. 239-243.
JPRS 37288

Influence of Animal Production on the Income of the Cooperative Economy, by Magister Janusz Lewandowski, 5 pp.
POLISH, per, Przegląd Hodowlany, No 11, 1-15 June 1966, pp. 6-7.
JPRS 37006

Problems of Polyethylene Plastic Production in Poland, by Witold Dunilloicz and Mirosław Kowalewski, 9 pp.
POLISH, per, Przegląd Techniki, No 31, 11 July 1966, pp. 4-5.
JPRS 37244

Eastern Europe
Economic (Contd)

Trends in the Development of Extraction and Processing of Domestic Bentonite Deposits, by Henryk Waclawczyk and Grazyna Malenta, 13 pp.
POLISH, per, Przemysł Chemiczny, No 5, May 1966, pp. 243-247.
JPRS 37306

Goals of the Ministry of Food and Procurement in 1966-1970, 8 pp.
POLISH, per, Przemysł Spożywczy, No 5, May 1966, pp. 3-8.
JPRS 36940

Data on the Nonferrous Metal Combine in Plovdiv, Bulgaria, by Dr. Danuta Krupkova and Jan Husarek, 10 pp.
POLISH, per, Rudy i Metale Niezelazne, No 6, June 1966, pp. 326-329.
JPRS 37283

Main Trends of Polish Trade with European Socialist Countries during 1966-1970, by Marian Dmochowski, 6 pp.
POLISH, per, Sprawy Miedzynarodowe, No 6, June 1966, pp. 12-21.
JPRS 37611

Implementation of the IV Plenum Resolutions by the Ministry of Mining and Electric Power, by Jan Mitrega, 13 pp.
POLISH, per, Wiadomości Gornicze, Vol XVII, No 5, May 1966, pp. 142-148.
JPRS 37490

Cooperative Housing Construction, by Emil Madejczyk, 17 pp.
POLISH, per, Wiadomości Narodowego Banku Polskiego, No 7, Jul 1966, pp. 281-287.
JPRS 37908

Model Functions of Agricultural Circles, by Dyzma Galaaj and Tadeusz Hunek, 14 pp.
POLISH, per, Wies Wspolczesna, No 6, June 1966, pp. 14-27.
JPRS 36936

Goals of Nitrogen Plants, by Krzysztof Krauss, 5 pp.
POLISH, per, Zycie Gospodarcze, No 30, 24 July 1966, p. 3.
JPRS 37147

Price Changes in Farm Products, by Helena Chojnacka, 6 pp.
POLISH, per, Zycie Gospodarcze, No 30, 24 Jul 1966, p. 6.
JPRS 37252

Eastern Europe
Economic (Contd)

Appraisal of Results of New Criteria and Incentives in the Electric Machine Industry, by Zygmunt Zdyb, 6 pp.
POLISH, per, Zycie Gospodarsze, No 33, 14 Aug 1966, pp. 1, 4, and 5.
JPRS 37511

Suggestions for Fuller Utilization of Land, by Jan Kraywonos, 5 pp.
POLISH, per, Zycie Gospodarsze, No 33, 14 Aug 1966, pp. 6.
JPRS 37506

Ten Years of Complex Industrial Utilization of the Reed of the Danube Delta, by E. Reichmann, Gh. Neculau, C. Obreja, 29 pp.
RUMANIAN, per, Celuloza si Hirtie, Vol XV, No 4, Apr 1966, pp. 121-138.
JPRS 37000

The Policy of the Rumanian Communist Party of Priority Development of Heavy Industry, by Amalia Cati, 14 pp.
RUMANIAN, per, Constructia de Masine, No 5, May 1966, pp. 249-254.
JPRS 37244

The Trade Union Conference of Enterprises in the Construction and Construction Materials, 9 pp.
RUMANIAN, per, Constructorul, No 861, 9 July 1966, pp. 1 & 2.
JPRS 36940

Scientific Organization of Production in the Rumanian Construction Industry, by Engineer Ara Tacorian, 5 pp.
RUMANIAN, np, Constructorul, Vol 18, No 863, 23 Jul 1966, pp. 5.
JPRS 37507

Future Supply and Demand for Electric Power in the Rumanian Power Grid, by S. Radu, 18 pp.
RUMANIAN, per, Energetica, Vol 14, No 6, Jun 1966, pp. 241-248.
JPRS 37761

Investment Procedures in Rumania, 40 pp.
RUMANIAN, per, Evidenta Contabila, No 4, 1966, pp. 5-36.
JPRS 37319

Mechanization of Administrative Work in Industrial Enterprises, by V. Turculescu, 1 pp.
RUMANIAN, per, Finante si credit, Vol 12, No 5, May 1966, pp. 43-54.
JPRS 37254

Eastern Europe
Economic (Contd)

Economic and Financial Prospects and Problems in the Rumanian Machine Construction Industry, by Gheorghe Popescu, 10 pp.
RUMANIAN, per, Finante si credit, Vol 12, no 6, June 1966, pp. 3-11.
JPRS 37511

Realization of Technical-Economic Indicators at Newly-Commissioned Industrial Sites, by Ioan L. Ciolan, 11 pp.
RUMANIAN, per, Finante si credit, Vol 12, No 7, Jul 1966, pp. 14-22.
JPRS 37848

Potential for Increased Efficiency in Local Construction Organizations, by V. Vladescu, 11 pp.
RUMANIAN, per, Finante si credit, Vol 12, No 7, Jul 1966, pp. 23-34.
JPRS 37847

Maintenance and Operation of Equipment and Installations of the Food Processing Industry as Important Factors in Achieving Production Volume and Product Quality, by G. Birsan, 7 pp.
RUMANIAN, per, Industria Alimentara, Vol XVII, No 7, Jul 1966, pp. 347-348 and 352.
JPRS 37507

Need for Patent Research in Rumania, by I. Pau and C. Negoita, 5 pp.
RUMANIAN, per, Inventii si inovatii, Vol 1, No 6, June 1966, pp. 201-204.
JPRS 37254

Technical and Scientific Conference on Railroad Capacity in Craiova, by I. Chiru, 5 pp.
RUMANIAN, np, Lupta CFR, 10 Jun 1966, pp 1 and 3.
JPRS 37507

Measures for Improved Rumanian Railroad Operations, 7 pp.
RUMANIAN, np, Lupta CFR, Vol 22, No 1111, 22 Jul 66, pp. 1,3
JPRS 37507

Automation and Intensification of Technological Processes the Main Factor in the Rise in Labor Productivity in the Iron and Steel Industry 1959-1964, by D. Rebusapca and M. Vasilache, 6 pp.
RUMANIAN, per, Metallurgia, Vol 18, No 4, Apr 1966, pp. 224-226.
JPRS 37610

Best Available Copy

**Eastern Europe
Economic (Contd)**

Scientific Cultivation of Agricultural Plants,
by T. Muresan, 12 pp.
RUMANIAN, per, Probleme Agricole, No 5, May
1966, pp. 4-13.
JPRS 37403

Correlations of Expanded Reproduction in
Socialist Agriculture, by C. Secrieru, 14 pp.
RUMANIAN, per, Probleme Economice, Vol 19,
No 5, May 1966, pp. 17-29.
JPRS 37067

The Role of Credit in Socialist Agriculture,
by V. Malinschi, 18 pp.
RUMANIAN, per, Probleme Economice, No 6, June
1966, pp. 3-17.
JPRS 37252

Continuous Perfecting of Industrial Production
Organization, by Dr. V. M. Popescu, 15 pp.
RUMANIAN, per, Probleme Economice, No 6, June
1966, pp. 29-41.
JPRS 37319

Reserves for Increasing Labor Productivity
in the Electrotechnical Industry, by H.
Areşteanu and D. Rebusapca, 15 pp.
RUMANIAN, per, Probleme Economice, No 6,
June 1966, pp. 42-54.
JPRS 37306

Aspects of Investment Activities in Agricul-
tural Production Cooperatives, by Dr. D.
Stoian, 16 pp.
RUMANIAN, per, Probleme Economice, No 6, June
1966, pp. 67-79.
JPRS 37252

Technical and Scientific Conference of
Engineers in the Field of Railroad Freight
Operations, by I. Neculoiu, 5 pp.
RUMANIAN, per, Revista calilor ferate, Vol 14,
No 6, Jun 1966, pp. 321-322.
JPRS 37507

Current Problems of Heat Supply in Rumanian
Urban Areas, by A. Petrescu, 11 pp.
RUMANIAN, per, Revista constructiilor si a
materialelor de constructii, Vol 18, No 2,
Feb 1966, pp. 9-94.
JPRS 37245

New Production Methods for Rumanian Cement
Manufacture, by L. Zaharia and C. Dimitrescu,
16 pp.
RUMANIAN, per, Revista constructiilor si a
materialelor de constructii, Vol 18, No 2,
Feb 1966, pp. 94-99.
JPRS 37318

**Eastern Europe
Economic (Contd)**

Rumanian Research in Soil and Land Utiliza-
tion, by M. Botzan, A. Canarache and R. J.
Bally, 8 pp.
RUMANIAN, per, Stiinta Solului, No 2, Vol 4,
1966, pp. 4-11.
JPRS 37308

Support Given by Research to the Electro-
technical Industry, by I. Vaduva and M.
Ivanciovici, 8 pp.
RUMANIAN, per, Stiinta si Tehnica, Vol XVIII,
No 7, Jul 1966, pp. 3-5.
JPRS 37463

Product Quality in the Building Materials
Industry, by A. Cordasevski, 6 pp.
RUMANIAN, per, Standardizarea, Vol 18, No 6,
Jun 1966, pp. 293-295.
JPRS 37766

Development of Rumanian Foreign Trade, by
Gr. Pop Calnearu, 6 pp.
RUMANIAN, per, Tribuna, Vol 10, No 28, 14 Jul
1966, pp. 1, 6.
JPRS 37531

New Steps Ahead for Chemical Industry during
Five-Year Plan, by Constantin Scarlat, 7 pp.
RUMANIAN, per, Viata economica, Vol 4, No 28,
15 Jul 1966, p. 5.
JPRS 37610

Development of Underdeveloped Regions and
Raions, by S. Baci, I. Nicola, G. Marinescu,
S. Petculet, I. Rotaru and G. Blaj, 14 pp.
RUMANIAN, per, Viata economica, Vol 4, No 28,
15 July 1966, pp. 8 & 9.
JPRS 37638

The Food Industry During the Five-Year Plan -
High Quality Indices for all Food Products, by
B. Schiopu, 7 pp.
RUMANIAN, per, Viata Economica, Vol 4, No 29,
22 Jul 1966, pp. 3.
JPRS 37713

The Unified Scientific Research Program,
10 pp.
RUMANIAN, per, Viata Economica, Vol 4, No 29,
22 Jul 1966, pp. 8-9.
JPRS 37706

Modern Agriculture of High Productivity, by B.
Popescu, 6 pp.
RUMANIAN, per, Viata Economica, No 33, 19 Aug
1966, p. 5.
JPRS 37615

**Eastern Europe
Economic (Contd)**

Data on the Resita Ferrous Metallurgy Combine, by I. Potocanu, 5 pp.
RUMANIAN, per, Viata Economica, No 33, 19 Aug 1966, p. 6.
JPRS 37610

The Danube As a Source of Power, by M. Pista, 5 pp.
RUMANIAN, per, Viata Economica, No 33, 19 Aug 1966, p. 8.
JPRS 37610

The Experience, Problems and Functions of Developmental and Research Work in the "3 Maj" Shipyard in Rijeka, by Dimitrovski Pero, 8 pp.
SERBO-CROATIAN, per, Brodogradnja, No 2, Mar-Apr 1966, pp. 40-43.
JPRS 37122

The Price of Agricultural Land in Yugoslavia in 1965, by Dobrossav Tadic, 12 pp.
SERBIAN, per, Ekonomika poljoprivrede, No 6, Jun 1966, pp. 453-461.
JPRS 37713

The Share of Hungary in World Trade, by Izre Vajda, 13 pp.
SERBO-CROATIAN, per, Ekonomski pregled, No 4-5, Apr-May, 1966, pp. 227-242.
JPRS 37885

The Selling-Price Policy of a Productive Organization under the New Economic Conditions, by Roman Obraz, 11 pp.
SERBO-CROATIAN, per, Ekonomsko-tehnicki pregled, No 5, May 1966, pp. 3-9.
JPRS 37441

The Construction of Hydroelectric Power Plants in Yugoslavia in the 1945-1965 Period, by Djordje Srna, 16 pp.
SERBO-CROATIAN, per, Elektroprivreda, No 1-2, Jan-Feb 1966, pp. 3-12.
JPRS 37068

Budgetary Expenditures of Socio-Political Bodies in the First Year Under the New System of Financing and Economic Reform, by Slobodan Turcinovic, 33 pp.
CROATIAN, per, Finansije, Vol. XXI, No 5-6, May-Jun 1966, pp. 213-240.
JPRS 37780

**Eastern Europe
Economic (Contd)**

Reform of Internal Financial Transactions in Yugoslavia, by D. Velisario, 12 pp.
CROATIAN, per, Finansije, Vol. XXI, No 5-6, May-Jun 1966, pp. 257-267.
JPRS 37780

Results Achieved in 1965 by Yugoslav Agricultural Organizations, 20 pp.
SERBO-CROATIAN, per, Glasnik za poljoprivredu i zadrugarstvo, No 6, June 1966, pp. 6-16.
JPRS 37419

The Possibilities for the Development of Agriculture in Hilly and Mountainous Areas, by Vitomir Bekric, 14 pp.
SERBO-CROATIAN, per, Glasnik za poljoprivredu i zadrugarstvo, No 7, July 1966, pp. 15-24.
JPRS 37419

The Development of the Yugoslav Economy and Foreign Trade, 17 pp.
SERBO-CROATIAN, rpt, Godisnji pregled privrede za 1965, May 1966, pp. 3-14.
JPRS 37238

A Survey of the Yugoslav Economy and Foreign Trade in Terms of the More Important Groups of Commodities, 35 pp.
SERBO-CROATIAN, per, Godisnji pregled privrede za 1965, May 1966, pp. 15-40.
JPRS 37238

Construction of the Tikves Rock-Fill Dam, 11 pp.
SERBO-CROATIAN, per, Gradjevinar, No 7, July 1966, pp. 281-285.
JPRS 37610

Yugoslav Chemical Products Market, by V. Jankovic, 6 pp.
SERBO-CROATIAN, per, Kemija u Industriji, No 5, May 1966, pp. 318-320.
JPRS 37148

The State and Effect of Inland Waterways on Freight Traffic by River, by D. S. Jovanovic, 6 pp.
SERBO-CROATIAN, per, Medjunarodni transport, No 6, June 1966, pp. 33-36.
JPRS 37027

Transportation Under the Medium-Term Plan, by Mladen Buljevac, 13 pp.
SERBO-CROATIAN, per, Medjunarodni transport, Vol. XII, No 7-8, Jul-Aug 1966, pp. 2-7.
JPRS 37816

Best Available Copy

Eastern Europe
Economic (Contd)

Traffic in Yugoslav Ports in 1965, by V. Zivkovic, 7 pp.
SERBO-CROATIAN, per, Medjunarodni transport, Vol XII, No 7-8, Jul-Aug 1966, pp. 14-17.
JPRS 37816

Yugoslav Economic Relations With Foreign Countries Under the Medium-Term Plan, by Doctor Milan Aleksic, 6 pp.
SERBO-CROATIAN, per Nova Trgovina, No 5, May 1966, pp. 229-231.
JPRS 37760

Business Ethics and Contracts, by Gojko Bosanic, 7 pp.
SERBO-CROATIAN, per, Opstina, No 7, Jul 1966, pp. 25-32.
JPRS 37848

The Financial Results Achieved by Agricultural Organizations in Serbia in 1965, by Djordje Vasic, 6 pp.
SERBIAN, per, Poljoprivreda, No 6, June 1966, pp. 1-6.
JPRS 37006

Factors Increasing Costs of Public and Private Housing Construction in Yugoslavia, by Dusan Dinkic, 6 pp.
SERBIAN, np, Privredni Pregled, No 3186, 30 Jul 1966, pp. 4.
JPRS 37847

Yugoslav Production of Minerals and Foreign Trade in Minerals, by Andjica Bulic, 8 pp.
SERBIAN, per, Problemi Spoljne Trgovine i Konjunktura, No 1, Mar 1966, pp. 37-41.
JPRS 37245

The Development of the System of Short-Term Crediting of Yugoslav Foreign Trade in the Period After World War II, by Milos Zivancevic, 23 pp.
SERBIAN, per, Problemi Spoljne Trgovine i Konjunktura, No 1, Mar 1966, pp. 43-55.
JPRS 37531

Yugoslav Foreign Trade With Tunisia, by Regina Binenfeld, 11 pp.
SERBIAN, per, Problemi Spoljne Trgovine i Konjunktura, No 1, Mar 1966, pp. 57-61.
JPRS 37531

The Substance of the Amendments to the Basic Law on Employment Relations, by Mih. L. Jelacic, 11 pp.
SERBIAN, np, Privredni Pregled, 22 July 1966, pp. 1-4.
JPRS 36937

Eastern Europe
Economic (Contd)

Irregular Supply of Equipment to Agriculture, by Borislav Sitadovic, 5 pp.
SERBIAN, np, Privredni Pregled, 23 July 1966, p. 3.
JPRS 36993

The Law on Foreign Exchange Operations, 32 pp.
SERBO-CROATIAN, per, Sluzbeni list SFRJ, No 29, 20 Jul 1966, pp. 570-579.
JPRS 37864

The Law on Credit Transactions With Foreign Countries, 10 pp.
SERBO-CROATIAN, per, Sluzbeni list SFRJ, No 29, 20 Jul 1966, pp. 579-582.
JPRS 37864

Bases of Policy of Development of Communal Activities Up to 1970, by Dusan Dinkic, 17 pp.
SERBIAN, per, Socijalna Politika, No 6-7, Jun-Jul 1966, pp. 645-659.
JPRS 37691

The Introduction of Conifers into the Deciduous Forests of Bulgaria, by Dragutin Hanzl and Vladimir Vucetic, 21 pp.
SERBO-CROATIAN, per, Sumarski List, No 5-6, May-June 1966, pp. 310-322.
JPRS 37615

Investigating Possibilities for Extracting Manganese From Poor-Grade Ore in the Novo Brdo-Kopaonik Area, by Miodrag Spasic, 16 pp.
SERBO-CROATIAN, per, Tehnika, No 9, Sept 1966, pp. 1524-1529.
JPRS 37815

The Possibility for Providing New Means of Transportation in the 1966-1970 Period, by Branko Catic, 6 pp.
SERBO-CROATIAN, per, Tehnika, No 9, Sept 1966, pp. 1625-1627.
JPRS 37816

Safety-Signal and Telecommunications Installations on the Sarajevo-Ploce Railroad Line, by Sima Aksentijevic, 49 pp.
CROATIAN, per, Zeleznice, Vol XXII, No 5, May 1966, pp. 13-35.
JPRS 37318

Using a Kolmogorov-Wiener Filter for Statistical Prediction of Flood Volume on the Desna River, by V. N. Stepanenko, 6 pp.
UKRAINIAN, per, Avtomatyka, Vol 10, No 3, 1966, pp. 42-48.
JPRS 37627

Eastern Europe
Political

Party Work in the Peoples' Army, by Dhori Panariti, 12 pp.
ALBANIAN, per, Rruga e Partise, No 7, Jul 1966, pp. 12-22.
JPRS 37920

Party Takes Precedence Policy Over All Other Interests, by Stefi Kotilo, 10 pp.
ALBANIAN, per, Rruga e Partise, No 7, Jul 1966, pp. 23-33.
JPRS 37920

Party Members Purged for "Unprincipled" Attitudes, by Xhelil Gjoni, 7 pp.
ALBANIAN, np, Zeri i Popullit, 2 July 1966, p. 2.
JPRS 37048

Development of Communist Morality Discussed, by Kostadin K. Todorov, 11 pp.
BULGARIAN, per, Filosofska misul, No 3, May/June 1966, pp. 38-47.
JPRS 37513

Improving the Party Guidance of the National Economy Under the New System of Planning, by Petko Eliznakov, 11 pp.
BULGARIAN, per, Investiya na Visshiya institut za narodno stopanstvo "Dimitur Blagov", No 1, Jan-Mar, pp. 46-57.
JPRS 37461

Active and Efficient Executive Committees, by Petur Dimitrov, 6 pp.
BULGARIAN, per, Narodni sureti, No 3, June 1966, pp. 3-7.
JPRS 37286

The Obshtina Party Committees -- Organs of Political Guidance, 14 pp.
BULGARIAN, per, Partien zhivot, No 9, July 1966, pp. 3-12.
JPRS 37316

The Accountability and Election Meetings in the Party, 10 pp.
BULGARIAN, per, Partien zhivot, No 9, July 1966, pp. 13-19.
JPRS 37316

The Party Guidance of Mass Organizations, by Atanas Dimitrov, 11 pp.
BULGARIAN, per, Partien zhivot, No 9, July 1966, pp. 50-63.
JPRS 37316

Eastern Europe
Political (Contd)

Communist Morality Analyzed in Bulgarian Journal, by Geno Tsonkov, 10 pp.
BULGARIAN, per, Politicheska prosveta, No 7, July 1966, pp. 10-23.
JPRS 37616

Some Features of the Development of State Law in Bulgaria, by Prof. Boris Spasov, 11 pp.
BULGARIAN, per, Pravna misul, No 1, Jan-Feb 1966, pp. 3-13.
JPRS 37066

Proceedings of the General Assembly of the Bulgarian Academy of Sciences, 28 and 29 January 1966, 44 pp.
BULGARIAN, per, Spisanie na Bulgarskata Akademiya na Naukite, No 1, Jun 1966, pp. 3-46.
JPRS 37858

List of Officers, Members, and National Representatives of the Bulgarian Central Council of Trade Unions, 18 pp.
BULGARIAN, np, Trud and Otechestven Front, 1 Mar 1966 and 13 May 1966, pp. 2 & 4, respectively.
JPRS 37166

Article in Czechoslovak CP Organ Discusses International and National Tasks of Communist Parties, by Docent Zdenek Bradac, CSc, 12 pp.
CZECH, per, Nova Mysl, No 14, 12 July 1966, pp. 8-11.
JPRS 37126

Meeting of Rumanian and Danish Communist Parties, 5 pp.
DANISH, np, Land og Folk, 9 Aug 1966, p. 8.
JPRS 37513

An Interview with Erich Gluckauf, Member of the West German Communist Party Politburo, by Claus Ingermann Jorgensen, 5 pp.
DANISH, np, Land og Folk, 17 Aug 1966, p. 6.
JPRS 37616

Pro-Peiping Line Forecasts End of Titoist Revisionism in Yugoslavia, by Pierre Xavier, 11 pp.
FRENCH, per, La Voix du Peuple, No 33, 19 Aug 1966, pp. 10-11.
JPRS 37714

The Present Position of the Communist Party in West Germany, 5 pp.
GERMAN, per, Die Welt, 18 Aug 1966, pp. 5.
JPRS 37676

Eastern Europe
Political (Contd)

Title Index of Laws, Decrees, Orders,
Regulations, Instructions, and Decisions
Published During the First Half of 1966,
11 pp.
HUNGARIAN, per, Magyar Kozlony, 1 Sept 1966,
pp. IV to VIII.
JPRS 37759

Questions on the Possibility of a Christianity-
Atheism Dialogue, by Jacek Syski, 11 pp.
POLISH, np, Argumenty, No 24, 12 June 1966,
pp. 1, 4; No 26, 26 June 1966, pp. 1, 2.
JPRS 37421

CEMA: Problems in Developing the International
Division of Production, by Henryk Rozanski,
20 pp.
POLISH, per, Sprawy Miedzynarodowe, No 7,
Jul 1966, pp. 45-70.
JPRS 37885

Adam Schaff's Summary of Discussion on His
Marxism and the Human Individual, 21 pp.
POLISH, per, Studia Filozoficzne, No 2, Apr-
June 1966, pp. 87-106.
JPRS 37286

Two Humanisms -- One Mankind, by Tadeusz
Pluzanski, 10 pp.
POLISH, per, Zeszyty Argumentow, No 2, Mar-Apr
1966, pp. 33-39.
JPRS 37006

A Rebellion against Socialism, by Wladyslaw
Machejek, 15 pp.
POLISH, per, Zycie Literackie, Vol XVI, No
29, 17 July 1966, pp. 1, 9, 10.
JPRS 37022

Contributions to the Definition of Modern
International Law, by Dumitru Brezoianu,
19 pp.
RUMANIAN, per, Justitia noua, No 5, May 1966,
pp. 70-82.
JPRS 37852

A Hungarian Communist Views the World Situation,
by Gyula Kallai, 7 pp.
RUSSIAN, np, Izvestiya, 1 Sept 1966, pp. 3-4.
JPRS 37755

Bucharest Conference of the Political
Consultative Committee of States Participating
in the Warsaw Pact, by V. Smolyanskiy, 7 pp.
RUSSIAN, per, Sovetskaya Rossiya, 1 Sept 1966,
pp. 3.
JPRS 37755

Eastern Europe
Political (Contd)

Contradictory Trends in the Social Structure
of the League of Communists, by Enver Redzic,
19 pp.
SERBO-CROATIAN, per, Pregled, No 3, Mar 1966,
pp. 175-191.
JPRS 37316

Generalities and Specifics in the Foreign
Policies of the Socialist Countries, by
Vaclav Kotyk, 13 pp.
SLOVAK, per, Nova Mysl, No 15, 26 Jul 1966,
pp. 3-7.
JPRS 37755

Military

Fire, Assault, and Maneuver, by Colonel General
Ivan Vrachev, 8 pp.
BULGARIAN, per, Armeyski pregled, No 6, June
1966, pp. 3-8.
JPRS 37788

A Field Firing Tactical Exercise With a Reinforced
Motorized Rifle Battalion in the Defense, by
Major General K. Patev, Colonel St. Kovachev
and Colonel V. Vrachev, 14 pp.
BULGARIAN, per, Armeyski pregled, No 6, June
1966, pp. 16-23.
JPRS 37788

An Official Decree on the Bulgarian Depart-
mental Militia, 8 pp.
BULGARIAN, np, Durzhaven vestnik, 15 July
1966, pp. 1-2.
JPRS 37021

Modern Armored Transporters, by
Milutin Lutovac, 3 pp.
CROATIAN, per, Vojnotehnicki Glasnik
No 11, Nov 1965, pp 857, 860.
DIA LN 325-66

Ground Transportation of the CSA (Czechoslovak
Airlines) in Statistics and in the Future
by Vaclav Soucek, 5 pp.
CZECH, per, Letecky Obzor, No 7, July 1963,
pp 214-216.
ACSI J-0756
ID 2204047366

Eastern Europe
Military (Contd)

What is the OT-62, by V. Cejnar and V. Sima,
CZECH, per, Mlada Fronta, 21 Nov 1965, 3 pp.
ACSI I-9649
ID 2204021466

T-813 by Radim Roudny, 7 pp.
CZECH, per, Vojenska Technika, No 3,
1966, pp 1-3.
DIA LN 409-66

Defense Committee Meeting, 1-2 Sep 66.
GERMAN, rpt, 2 Sep 1966.
DIA 2834026566

Test Operation of a Combined Refining-
Reforming Unit at the Otto Grotewohl Combine.
by C. Szkibik, Wagner, A. Kahl.
GERMAN, rpt, Freiberger Forschungshefte,
A 329 BTG-Sonderveranstaltungen 1964,
pp 29-36.
*ACSI J-0847
ID 2204049666

Anti-Tank Weapons Development by the
Boelkow GMBH Company, by J. Gerloff. 17 pp.
GERMAN, rpt, Panzerabwehr-Entwicklung der Boelkow
GmbH, Boelkow Report No 2, Apr 1966,
pp 13-20.
ACSI J-0745
ID2204046266

Antitank Warfare by MAJ Fritz Joachim Gerloff.
17 pp.
GERMAN, per, Soldat und Technik, No 7,
July 1966, pp 348-355.
ACSI J-0809
ID 2204048566

The Competitive Ability of Inland Shipping,
by Hans-Joachim Gaffron, 9 pp.
GERMAN, per, Der Verkehrsringsingenieur
No 8, 1964, pp 54-58.
DIA LN 430-66

Black Friday: Civil Defense at New Years.
GERMAN, per, Zivilschutz, No 1, 1966, pp 4-6.
P911045766
AEC ORNL-tr-1219

The Possibilities of Applying the Laser
Technique in Experiments on Exploding
Wires by W. Soszka.
POLISH, per, Postepy Fiziki, No 4, 1966,
p 403-418.
ACSI J-0919

Eastern Europe
Military (Contd)

Decree on Damage to Military Property, 16 pp.
RUMANIAN, per, Buletinul Oficial al Republicii
Socialiste Romania, Part I, No 35, 15 Jun 1966,
pp. 2-8.
JPRS 37726

Civil Defense under Conditions of Intensive
Urbanization and Economic Development, by
Pukovnik Krato Grozdanic, 7 pp.
SERBIAN, per, Komuna, No 6, June 1966, pp. 12-
15.
JPRS 37237

Mechanization and Automation in the Yugoslav
Army, by B. Veljkovic, 5 pp.
SERBO-CROATIAN, per, Narodna Armija, No 1401,
10 June 1966, pp. 1-2.
JPRS 37237

Self-Management Arrangement of Employment
Relations in Repair Depots and Shops of the
Yugoslav National Army, by Dimitrij Ken-
kovski, 15 pp.
SERBO-CROATIAN, per, Vojsnotehnicki Glasnik,
No 8-9, Aug-Sept 1966, pp. 689-697.
JPRS 37906

Geographic

The Canalization of the Lower Rhine
and Lek (Netherlands), Particularly
the Hagstein Barrage, by P. Blokland, 10 pp.
GERMAN, per, Die Wasserwirtschaft, No 6,
June 1966, pp 187-190.
DIA LN 536-66

Sociological

Korce Workers Criticised for Irresponsible and
Indifferent Attitude towards Public Property,
6 pp.
ALBANIAN, per, Zeri i Popullit, 3 Aug 1966,
p. 2.
JPRS 37533

**Eastern Europe
Sociological (Contd)**

Extract from Ministerial Council Decree No 38, Dated 28 July 1966, Concerning Approval of the Directive Governing Border Control of Foreign-Exchange Valuables and of the Directive Governing the Extraction and Processing of Gold, Silver, and Platinum and Transactions Involving These Metals and Precious Stones, 13 pp.
BULGARIAN, per, Durzhaven vestnik, No 59, 29 July 1966, pp. 1-4.
JPRS 37251

Official Directive on Temporary Restrictions for Moving to Large Cities and Other Population Points, 6 pp.
BULGARIAN, per, Durzhaven vestnik, No 61, 5 Aug 1966, pp. 3-4.
JPRS 37540

Proletarian Internationalism Yesterday and Today, by Geno Tsonkov, 16 pp.
BULGARIAN, per, Filosofska mis'l, No 2, Mar-Apr 1966, pp. 3-14.
JPRS 37070

The Elimination of Religious Remnants in the Way of Life of the Bulgarian People, by Peter Tsvetkov, 15 pp.
BULGARIAN, per, Filosofska mis'l, No 2, Mar-Apr 1966, pp. 127-134.
JPRS 36935

Information on the Population of Small Towns in Bulgaria, 5 pp.
BULGARIAN, per, Mladezh, Nos. 5-6, May-June 1966, pp. 20-21.
JPRS 36935

The Religious Mentality and Its Elimination in Bulgaria, by Mincho Draganov, 13 pp.
BULGARIA, per, Novo vreme, No 7, July 1966, pp. 44-53.
JPRS 37317

The Development of Atheism in Bulgaria, by Nikolay Mizov, 9 pp.
BULGARIAN, per, Politicheska prosveta, No 6, June 1966, pp. 58-65.
JPRS 37207

**Eastern Europe
Sociological (Contd)**

Tasks of the Central Labor Research Institute of the State Office of Labor and Wages Attached to the Council of Ministers GDR, by Kurt Walter, 8 pp.
GERMAN, per, Arbeitsökonomik, No 3, May-Jun 1966, pp. 197-203.
JPRS 37767

The Volga Germans in Soviet Central Asia, by Manfred R. Beer, 6 pp.
GERMAN, per, Christ und Welt, 29 Jul 1966, pp. 28.
JPRS 37494

Recent Phenomena in the Labor Movement of the Developed Capitalist Countries, by Frigyes Puja, 10 pp.
HUNGARIAN, per, Nemzetközi Szemle, 18 Aug 1966, pp. 25-35.
JPRS 37513

Technical Progress and Professional Ethics, by Wladyslaw Koscialkowski, 6 pp.
POLISH, per, Kierunki, No 33, Aug 1966, pp. 3, 8, 9.
JPRS 37765

Writers As a Professional Group, by Andrzej Siodnaki, 34 pp.
POLISH, per, Kultura i Społeczeństwo, No 2, Apr/Jun 1966, pp. 107-134.
JPRS 37919

Results of Sociological Research on Rural Development, by K. Ostrowski and A. Przeworski, 17 pp.
POLISH, per, Nowe Drogi, No 8, Aug 1966, pp. 57-68.
JPRS 37540

Discussion of Employment of Higher School Graduates, by Antoni Rajkiewicz, 12 pp.
POLISH, per, Nowe Drogi, No 8, Aug 1966, pp. 83-91.
JPRS 37532

Income of Families in Producers' Cooperatives, by Zygmunt Smolenski, 7 pp.
POLISH, per, Wies Współczesna, No 6, June 1966, pp. 89-95.
JPRS 36936

Regulation on New Rumanian Forensic Medical Services, 13 pp.
RUMANIAN, per, Buletinul oficial al Republicii Socialiste Romania, Vol II, No 33, 8 June 1966, pp. 4-12.
JPRS 37540

**Eastern Europe
Sociological (Contd)**

The Organization and Planning of Work in Student Camps, by Maria Popescu, 6 pp.
RUMANIAN, per, Gazeta Invatamintului, No 853, 3 June 1966, p. 4.
JPRS 36935

Cultural and Artistic Activities in the School Camps, by Ion Birna, 6 pp.
RUMANIAN, per, Gazeta Invatamintului, No 854, 10 June 1966, pp. 4.
JPRS 37540

Data on New Rumanian Specialized Secondary Schools, 5 pp.
RUMANIAN, per, Gazeta invatamintului, Vol 18, No 855, 17 June 1966, p. 2.
JPRS 36332

Summary of Discussions at Joint Meeting of Rumanian Educational Councils, 9 pp.
RUMANIAN, per, Gazeta invatamintului, Vol 18, No 855, 17 June 1966, p. 3.
JPRS 36332

The Book As a Medium of Modern Atheism, by D. Todericiu, 5 pp.
RUMANIAN, per, Indrator cultural, No 6, June 1966, pp. 37-38.
JPRS 37424

Observations Concerning Vocational and General Cultural Education of Students in Cluj University, by N. Kallos, A. Mihu, and A. Roth, 20 pp.
RUMANIAN, per, Lupta de Clasa, Vol XLVI, No 8, Aug 1966, pp. 72-83.
JPRS 37765

Draft of a Unified Rumanian Scientific Research Program for 1966-1970, 7 pp.
RUMANIAN, per, Munca, No 5810, 15 July 1966, p. 2.
JPRS 36958

Organization and Work of the Disciplinary Center for Juveniles in Sarajevo, by Jelena Ciscic, 5 pp.
SERBO-CROATIAN, per, Komuna, No 7, Jul 1966, pp. 32-33.
JPRS 37863

Hygiene in the Five-Year Plan, 6 pp.
RUMANIAN, per, Muncitorul sanitar, No 31, 3 Aug 1966, pp. 1, 2.
JPRS 37615

**Eastern Europe
Sociological (Contd)**

Mediation Councils in the Yugoslav Socio-Political System, by Veljko Stamatovic, 10 pp.
SERBO-CROATIAN, per, Opstina, No 7, Jul 1966, pp. 13-24.
JPRS 37863

Demographic Effects of the Increase in the Average Life Span in Rumania, by V. Ghetau, 10 pp.
RUMANIAN, np, Revista de Statistica, May 1966, pp. 46-53.
JPRS 37317

Law on Amendments and Additions to the Basic Law on Health Insurance, 13 pp.
SERBO-CROATIAN, per, Sluzbeni List SFRJ, No 29, 20 July 1966, pp. 589-593.
JPRS 37613

Basic Law on the Personal Income to Serve As the Pension Base and the Base for Paying the Contribution for the Social Security of Workers, 13 pp.
SERBO-CROATIAN, per, Sluzbeni List SFRJ, No 29, 20 July 1966, pp. 595-599.
JPRS 37613

Code of Regulations on the Internal Organization and Business of Public Prosecutors' Offices, 22 pp.
SERBO-CROATIAN, per, Sluzbeni List SFRJ, No 29, 20 July 1966, pp. 601-608.
JPRS 37613

Regulation on Compensation for Expenses in Criminal and Civil Lawsuits, 12 pp.
SERBO-CROATIAN, per, Sluzbeni list SFRJ, No 31, 3 Aug 1966, pp. 633-636.
JPRS 37765

Agreement on Social Insurance for Priests of the Serbian and Macedonian Orthodox Church, 8 pp.
SERBO-CROATIAN, per, Sluzbeni list SFRJ, No 31, 3 Aug 1966, pp. 649-651.
JPRS 37765

Status and Trends in Development of Food Consumption in Yugoslavia, 19 pp.
SERBO-CROATIAN, per, Socijalna Politika, No 3-4, Mar-Apr 1966, pp. 307-320.
JPRS 37121

Eastern Europe
Sociological (Contd)

Some Socio-Economic Aspects of Tuberculosis in Yugoslavia, by Doctor Predrag Dovijanic, 8 pp.
SERBIAN, per, Socijalna Politika, No 6-7,
Jun-Jul 1966, pp. 637-644.
JPRS 37691

Care of Children of Employed Parents, by Branko Djurkovic, 10 pp.
SERBIAN, per, Socijalna Politika, No 6-7,
Jun-Jul 1966, pp. 666-672.
JPRS 37691

Certain Social Welfare Problems Associated With Elderly Persons in Rural Areas, by Petar Manojlovic, 9 pp.
SERBIAN, per, Socijalna Politika, No 6-7,
Jun-Jul 1966, pp. 673-680.
JPRS 37691

Implementation of the Training Measures of Commitment to Disciplinary Centers and Increased Supervision of Juveniles, by Marija Bojkovski, and Muhamed Dervisbegovic, 12 pp.
SERBIAN, per, Socijalna Politika, No 6-7,
Jun-Jul 1966, pp. 680-690.
JPRS 37691

Educational Deprivation and Juvenile Delinquency, 7 pp.
SERBO-CROATIAN, per, Socijalna Politika, No 3-4, Mar-Apr 1966, pp. 321-325.
JPRS 37121

Cost of Living Indexes According to Income and Number of Members of a Household, by Milijan Draskovic, 24 pp.
SERBIAN, per, Studije, Analize i Prikazi, No 28, June 1966, pp. 10-26.
JPRS 37025

WESTERN EUROPE

Economic

The Suolahti-Jyvaskyla Traffic Route, FINNISH, per, Rautatie Liikenne, No 11, 1964, pp 527-530.
*ACSI J-0599
ID 2204043766

Transport Seeks New Routes. FINNISH, per, Rautatie Liikenne, No 2, 1965, pp 71-73.
*ACSI J-0646
ID 2204044966

International RR Transport and Border Checks, FINNISH, per, Rautatie Liikenne, No 2, 1966, pp 91-96.
*ACSI J-0645
ID 2204044866

International Freight Transport and Border Clearances on Railroads, FINNISH, per, Rautatie Liikenne, No 4, 1966, pp 185-188.
*ACSI J-0647
ID 2204045066

Lovisa's Railroad Connections and Valko Port Representing a New Approach to the "Queen City". FINNISH, per, Rautatie Liikenne, No 4, 1966, pp 219-220.
*ACSI J-0647
ID 2204045066

Tap Report of the Administrative and Fiscal Council-Financial Year 1964. PORTUGUESE, rpt, 1954-1964.
DIA 1879010266

Bourgeois Justice and Developments in the Underdeveloped Countries from the Point of View of a Swedish Communist, by Sigurd Loetberg, 8 pp.
SWEDISH, np, Norrskensflaman, 16, 17, 18 June 1966, pp. 4 & 10, 4 & 10, 4 & 5 respectively.
JPRS 37097

Western Europe
Political

Work Committees Set Up to Revamp Finnish Communist Party Program, by Erkki Rautee, 9 pp.

FINNISH, np, Kansan Uutiset, 6 Sept 1966, pp. 4 and 5.
JPRS 37838

First Congress of French Communist Movement (Marxist-Leninist), by Regis Bergeron, Jacques Jarquet, 75 pp.

FRENCH, per, L'Humanite Nouvelle, Vol 2, No 20, Jul-Aug 1966, pp. 1-2, 3-3, 9-15, 16,
JPRS 36934

Splinter Group Offers Criticism of French CP Management, 5 pp.

FRENCH, per, Unir Pour Le Socialisme, No 166, Aug 1966, pp. 1 & 4.
JPRS 37474

Belgian Pro-Peiping Organ Scores Social Democratic, Trotskyite and Khrushchev Support of "Reformism," by J. G. 8 pp.

FRENCH, per, La Voix du Peuple, No 29, 22 July 1966, pp. 3 & 13.
JPRS 37070

Italian Communist Youth Federation Sees Survival of Labor Union Unity Despite Party Differences, by Gian Carlo Binelli, 7 pp.

ITALIAN, per, La Citta Futura, No 17, June 1966, pp. 14-16.
JPRS 37070

Italian Socialist Labor Union Leader Discusses Parties and Labor Unions in Italy Today, by Fabrizio Cicchitto, 17 pp.

ITALIAN, per, La Citta Futura, No 17, June 1966, pp. 17-21, 51.
JPRS 37070

Catholics and Communists in Italy Today, by Fr. Giuseppe de Rose, S.J., 9 pp.

ITALIAN, per, La Civiltà Cattolica, No 2782 (Vol 117), 21 May 1966, pp. 305-314.
JPRS 37070

Italian Jesuit Review: Christian Humanity and Marxist Humanism, by Virgilio Fagone, 15 pp.

ITALIAN, per, Civiltà Cattolica, Vol 117, No 2783, 4 June 1966, pp. 417-431.
JPRS 37126

Italian CP Seen As Parody with No Prospects For the Future, by Mario Pinzauti, 9 pp.

ITALIAN, per, Corrispondenza Socialista, No 7, July 1966, pp. 358-361.
JPRS 37097

Western Europe
Political (Contd)

Questions and Proposals for the FUCI Congress, by Dino Fiorello, 7 pp.

ITALIAN, per, Nuovasinistra, No 2, 1 July 1966, pp. 3-5.
JPRS 37070

Unity at the Center of the WFDY Debate, by Marco Caneparo, 8 pp.

ITALIAN, per, Nuovasinistra, Vol I, No 2, 1 July 1966, pp. 15, 16-17.
JPRS 37070

Party and Nation in Socialist Rumania, by Franco Bertone, 5 pp.

ITALIAN, per, Rinascita, No 26, 25 June 1966, pp. 11-12.
JPRS 37070

PCI On Red Flag's Ten Charges Against the Peking Committee, by Emilio Sarzi Amade, 6 pp.

ITALIAN, per, Rinascita, Vol 23, No 30, 23 July 1966, pp. 6-7.
JPRS 37070

Former Swedish Communist Party Chairman Publishes Book, 5 pp.

SWEDISH, np, Dagens Nyheter, 22 July 1966, pp. 1, 14.
JPRS 37364

The Need for Renewal in the Swedish Communist Party, 5 pp.

SWEDISH, per, Marxistiskt Forum, No 3, 1966, pp. 9-14.
JPRS 37004

Final Debate Concerning Separate Lists in Lulea, 6 pp.

SWEDISH, np, Norrskens Flamman, 13 July 1966, p. 3.
JPRS 37474

Swedish Research in Soviet Legal Terminology, by Lars-Goeran Engfeldt, 5 pp.

SWEDISH, np, Svenska Dagbladet, 9 July 1966.
JPRS 37362

Sweden's "New Left" Criticized in Leftist Organ, by Anders Leion, 5 pp.

SWEDISH, per, Tidsignal, No 32, 10-16 Aug 1966, p. 11.
JPRS 37513

Western Europe
Military

Note Liminaire - Explanatory Note -
Close Antitank Combat,
FRENCH, rpt, Le Combat Rapproach Antichar
17 pp, Oct 1964.
*ACSI J-0873

Sealing of Metal Tanks. 13 pp.
FRENCH, rpt Etanchiites de Reservoirs
Metalliques, 11 pp.
ACSI J-0535
ID 2832004266

The Submarine in the French Navy of
Tomorrow, by M. Dadvisard, 15 pp.
FRENCH, per, La Revue Maritime, No 222,
1965, pp 698-707.
Dept of Navy 4907/ONI 2218

The Problems of a Modern Navy, 18 pp.
FRENCH, per, La Revue Maritime, No 224,
Aug-Sep 1965, pp 956-972.
Dept of Navy 4904/ONI 2185

The Soviet Merchant Marine Fleet, by
Cl. Huan, 35 pp.
FRENCH, per, La Revue Maritime, No 224,
Aug-Sep 1965, pp 981-1004.
Dept of Navy 4908/ONI 2219

Merchant Marine Legislation.
PORTUGUESE, rpt, 13 August 1966.
DIA 5879019766

General Idea of the Strategic Value of the
Guinea-Cape Verde and Sao Tome Island Complex,
by Luis d Camara Pina
PORTUGUESE, per, Revista Militar, No 2-3,
Feb/Mar 1966, pp 83-105.
*ACSI J-0963
ID 220451266

Influence of the Armed Forces on the
Economic Development of Portugal's Overseas
Possessions, by Helio Felgas.
PORTUGUESE, per, Revista Militar, No 7,
July 1966, pp 379-400.
*ACSI J-0966A
ID 2204051566

Proposed LAFTA Water Transportation
Agreement, 12 pp.
SPANISH, rpt, Informe de la Reunion
Preparatoria de Expertos Gubernamentales
a la Reunion del Consejo de Transporte y
Comunicaciones, 16 May 1966, pp 6-14.
DIA LN 520-66

Western Europe
Military (Contd)

Armored AA Vehicle With Bofors.
Captions to Photographs of Tanks.
Foreign View on STRV-S, by Richard M. Ogorkiewicz.
11 pp.
SWEDISH, per, Arme Nytt, pp 2; 10-11; 14; 19-21.
ACSI J-0537
ID 2892010665

Protective Equipment, Sleighing Equipment,
Skiing Equipment, Billeting Equipment
Personal Field Equipment,
SWEDISH, rpt, Skyddsmateriel, Pulkmateriel,
Skidmateriel, Forlaggningsmateriel mm,
Personlig Faltutrustning, 10 May 1966,
pp 162; 167-172; 176-177, 198-211.
ACSI J-0594
ID 2892003566

Geographic

Rotterdam - The Port for Europe Between
the Sea and the Rhine, 3 pp.
DUTCH, per, Revue de la Navigation
Interieure et Rhenane, 1966, p 9.
DIA LN 542-66

The Waterway System Connecting Belgium
the Paris Region and the East of
France, by P. Desbazeille, 47 pp.
FRENCH, per, Travaux, July 1961,
pp 619-638.
DIA LN 527-66B

Geographic Study of the Rio Branco Territory,
by Antonio Teixeira Guerra, 111 pp.
PORTUGUESE, rpt, 1957, pp 1-123.
DIA LN 265-66

Western Europe
Sociological

Interview With the Chairman of the Danish
Communist Youth Organization, by Klaus
Pedersen, 6 pp.
DANISH, np, Land og Folk, 11-12 Sept 1966,
pp. 11.
JPRS 37838

Madsen's Answer to Lund Article on "Culture
and Ideology", by Freddy Madsen, 5 pp.
DANISH, per, Tiden, Vol 26, No 8, 1965,
pp. 308-311.
JPRS 37070

Novella Discusses Italian Labor Union Situation,
by Anniello Coppola, 9 pp.
ITALIAN, per, Rinascita, No 31, 30 Jul 1966,
pp. 3-4.
JPRS 37755

Class Struggle Under Socialism?, by Esther
Bergerud, 5 pp.
NORWEGIAN, np, Friheten, 19 Aug 1966, pp. 8.
JPRS 37714

Journal of Public Works, 24 pp.
SPANISH, rpt, 1964, pp 47-49, pp 75-82.
DIA LN 395-66

AFRICA

Economic

Mali's Monetary Philosophy, 3 pp.
FRENCH, per, Barakela, No 47, May-June 1966,
pp. 1, 3, 0.
JPRS 36985

Upper Volta in 1966 -- A General Survey, 11 pp.
FRENCH, per, Bulletin de l'Afrique Noire,
Vol 10, No 12, 4 May 1966, pp. 1-3.
JPRS 37333

Chadian Foreign Trade Statistics for 1965,
5 pp.
FRENCH, per, Bulletin de l'Afrique Noire,
No 420, 1 June 1966, pp. 8477-8479
JPRS 37149

Franco-Algerian Cooperation in 1966, by
Stephane Hessel, 9 pp.
FRENCH, per, Cooperation et Developpement,
No 11, July/Aug 1966, pp. 10-17.
JPRS 37149

Congo (Kinshasa) Advised to Use Native Cadres
More Effectively, by Nicodeme Nyoka, 9 pp.
FRENCH, np, Le Courrier d'Afrique, 22 July
1966, pp. 1, 5; 23/24 July 1966, p. 1;
25 July 1966, pp. 1, 2.
JPRS 37204

Benefits of Training of Camerooneese Nationals
by Foreign Industries Stressed, by Joseph
Sack, 5 pp.
FRENCH, per, L'Effort Camerounais, Vol 11,
No 547, 3 July 1966, p. 8.
JPRS 36966

The Need for Structural Consolidation of Mass
Organizations in Mali, 7 pp.
FRENCH, per, L'Essor, No 371, 5 Sept 1966,
pp. 1 and 3.
JPRS 37914

Dahomean Experimentation with Compulsory Pro-
ductive Co-operatives, by Moise Mensa, 8 pp.
FRENCH, per, Etudes Dahomeennes, No 6-7,
Apr 1966, pp. 73-80.
JPRS 37529

Study on Belgian, West German, French, and
Italian Aid to Congo (Kinshasa) by J. Gerard-
Libois, 30 pp.
FRENCH, per, Etudes Congolaises, Vol IX, No
3, May-June 1966, pp. 1-35.
JPRS 37333

Africa
Economic (Contd)

Activities and Organization of National Office for Commerce Discussed, by Th. Okoko, 11 pp.
FRENCH, per, Etumba, Vol II, No 31, 1 Sept 1966, pp. 1-2,5.
JPRS 37914

Survey of Franco-Algerian Cooperation, 7 pp.
FRENCH, per, Europe France Outre-Mer, No 437, June 1966, pp. 23-25, 35, 44 & 54.
JPRS 37149

Malagasy between Africa and Asia, by Max Julade, 5 pp.
FRENCH, per, Europe-France Outremer, Vol 43, No 433-439, Jul-Aug 1966, pp. 7-9.
JPRS 37367

Foreign Assistance to Malagasy Developmental Effort, 5 pp.
FRENCH, per, Europe-France Outremer, Vol 43, No 433-439, Jul-Aug 1966, pp. 15-18.
JPRS 37367

Mangoky Delta Development Project in Progress, 5 pp.
FRENCH, per, Europe-France Outremer, Vol 43, No 433-439, Jul-Aug 1966, pp. 31-34.
JPRS 37367

The Malagasy Five-Year Plan and Its Effect on Industrialization, 5 pp.
FRENCH, per, Europe-France Outremer, Vol 43, No 433-439, Jul-Aug 1966, pp. 35-37.
JPRS 37367

Cocoa Production and Prospects in the Ivory Coast, 8 pp.
FRENCH, per, Fraternite, Nov 8, No 375, 1 Jul 1966, pp. 6-8.
JPRS 37488

The Abidjan-Niger Railroad, 7 pp.
FRENCH, np, Fraternite, Vol 3, No. 376, 8 July 1966, pp. 6, 7 & 5.
JPRS 37338

Guinean President Exports Kissidougou Economic Conference to Reform, Efficiency, and Progress, by Ahmed Sekou Toure, 9 pp.
FRENCH, per, Horoya, Vol VI, No 953, 15 July 1966, pp. 1-3.
JPRS 37660

Africa
Economic (Contd)

Guinea's Goal of Economic Self-Sufficiency, by Fodeba Keita, 15 pp.
FRENCH, np, Horoya, 26 Jul 1966, pp. 1,3; 27 Jul, pp. 2; 28 Jul, pp 2; 30 Jul, pp. 2.
JPRS 37818

General Survey of Forest Region of Guinea by Minister, by N'Famara Keita, 16 pp.
FRENCH, per, Horoya, No 969, 3 Aug 1966, pp. 1-3; 4 Aug 1966, pp. 4, 2-3.
JPRS 37918

Decentralization Speech by Minister of State for Finance and Planning in Guinea Stresses Policy of the People's Increased Participation in Development, by El Hadj Saifoulaye Diallouau, 7 pp.
FRENCH, np, Horoya, 5 Aug 1966, pp. 1,2,3.
JPRS 37818

Development in Lower or Maritime Guinea, by Mamady Kaba, 6 pp.
FRENCH, per, Horoya, 18 Aug 1966, pp. 1 and 2.
JPRS 37914

Report on Conditions in Central Guinea, by Damantang Camara, 9 pp.
FRENCH, np, Horoya, 25 Aug 1966, pp. 1 and 2, and 26 Aug 1966, pp. 2.
JPRS 37796

Capable Producers Needed to Assure Success of Guinean Revolution: Speech by President Sekou Toure at Closing Session of National Revolutionary Council at Labe, 9 pp.
FRENCH, per, Horoya, Vol 6, No 988, 27 Aug 1966, pp. 1-3.
JPRS 37724

President Tombalbaye Presents Chadian Five-Year Development Plan, 17 pp.
FRENCH, per, Info-Tchad, 13-15 Aug 1966, pp. 3-19.
JPRS 37796

Trade Relations Between Congo-Kinshasa and the Customs and Economic Union of Central Africa, 12 pp.
FRENCH, per, Lettre Mensuelle de l'Institut de Recherches Economiques et Sociales, Vol 3, No 5, 16 May 1966, pp. 1-11.
JPRS 37677

Africa
Economic (Contd)

The Ivory Coast in 1966 -- The Birth of a Nation, by Philippe Decraene, 7 pp.
FRENCH, np, Le Monde, 6 and 7 Aug 1966, pp. 1 and 6, and 4.
JPRS 37914

Concept of Space and Territory Among the Diola, by L.-V. Thomas, 16 pp.
FRENCH, per, Notes Africaines, No 111, Jul 1966, pp. 89-97.
JPRS 37918

Ivory Coast in 1966 -- A General Survey, 12 pp.
FRENCH, per, Perspective Africaine, Vol 10, Nos 199 and 200, 6 July 1966, pp. 1-7, and 13 July 1966, p. 1-6.
JPRS 37204

Cameroon 1966 -- A General Survey, 18 pp.
FRENCH, per, Perspective Africaine -- Syntheses Politiques et Economiques, Vol 10, No 201, 20 July 1966, pp. 1-6, and No 202, 27 July 1966, pp. 1-8.
JPRS 37204

Survey of Moroccan Agriculture 1964-1965, 5 pp.
FRENCH, per, La Vie Economique, No 2318, 26 Aug 1966, pp. 1,3.
JPRS 37918

German Construction Firms in Africa: Market Expectations Until 1970, by Volker von Sengbusch, 10 pp.
GERMAN, per, Afrika heute, No 14, 15 July 1966, pp. 201-205.
JPRS 37204

For More Reliable Construction Cost Estimates, by A. Kuznetsov, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 1 June 1966, p. 2.
JPRS 36979

Africa
Political

Africa without Nkrumah Is Hamlet without the Prince of Denmark, by Mansour Khaled, 19 pp.
ARABIC, per, Al-Tali'ah, July 1966, pp. 72-83.
JPRS 37247

History and Social and Political Organization of the Peoples of North Cameroon, by Eldridge Mohamadou, 24 pp.
FRENCH, per, Abbia, No 12-13, Mar-June 1966, pp. 233-271.
JPRS 37529

Lessons to be Learned From Recent Disturbances in Congo (Brassaville), 6 pp.
FRENCH, per, bulletin quotidien de Agence Congolaise D' Information, 20 Aug 1966, pp. 1-5.
JPRS 37914

Angolan Nationalist Movements Baset by Uncertainties, by L. Moaka-Toko, 5 pp.
FRENCH, np, Le Courrier d'Afrique, 16-17 July 1966, pp. 1, 4; 18 July, pp. 1, 6; 19 July, pp. 1, 5.
JPRS 37078

The Twists and Turns of the Angolan Revolution, by R. M. Tchamala, 18 pp.
FRENCH, np, Le Courrier D'Afrique, 18-19 June 1966, pp. 1 & 6; 20 June 1966, pp. 1 & 3; 21 June 1966, pp. 1 & 2; 22 June 1966, pp. 1, 3 & 4; 23 June 1966, pp. 1 & 3; 24 June 1966, pp. 1 & 4; 25-26 June 1966, pp. 1 & 5; 27 June 1966, pp. 1 & 3.
JPRS 37290

Brazzaville Newspaper Rejects Le Monde's Interpretation of Congolese Revolution, by Ndalla Graille, 6 pp.
FRENCH, np, Dipanda, No 138, 30 July 1966, pp. 1, 4, 6.
JPRS 37387

Congo-Brassa President Welcomes Guests and Condemns Imperialism on Occasion of Anniversary of Revolution, 6 pp.
FRENCH, per, Dipanda, No 141, 20 Aug 1966, pp. 1, 4.
JPRS 37918

Malian Views on EEC and other Matters; Interview with Alioune Sissoko, Vice-President of Malian National Assembly, Who Attended Recent Session of European Parliament in Brussels, 6 pp.
FRENCH, np, L'Essor, 23 July 1966, pp. 1 & 2.
JPRS 36966

Africa
Political (Contd)

Women's International Democratic Federation and Soviet Women's Organisation Visit Mali, 7 pp.
FRENCH, per, L'Esor Hebdomadaire, No 368, 15 Aug 1966, pp. 1-2.
JPRS 37918

Activities and Organisation of B.C.C.O. Discussed, by Gregoire Villa, 7 pp.
FRENCH, per, Etudes, Vol II, No 31, 1 Sept 1966, pp. 1, 6.
JPRS 37914

Significance of Guinean Revolutionary Development, by Pres. Sekou Toure, 13 pp.
FRENCH, np, Horoya, 29 July 1966, pp. 1-8.
JPRS 37434

Report on Guinea Civic Brigades and People's Militia, by Ismael Toure, 5 pp.
FRENCH, per, Horoya, 7-8 Aug 1966, pp. 2, 3, and 4.
JPRS 37914

President Tombalbaye Discusses Chad's Problems and Policies, by President Francois Tombalbaye, 17 pp.
FRENCH, per, Info-Tchad, No 773, 8 Aug 1966, pp. 1-18.
JPRS 37796

French Journalists Comment on Post-Ben Bella Scene in Algeria, by Robert Gauthier, 7 pp.
FRENCH, per, Le Mois en Afrique, No 7, July 1966, pp. 6-12.
JPRS 37093

The Nationalist Movement in Spanish Africa, by Rene Pelissier, 25 pp.
FRENCH, per, Le Mois en Afrique, No 7, July 1966, pp. 72-96.
JPRS 37078

Background and Present State of the War in the Sudan, by Jean Ziegler, 11 pp.
FRENCH, per, Le Monde, 21 July 1966, p. 5; 22 July 1966, p. 5.
JPRS 37290

Congo (Brazzaville) 1966: A General Survey, 13 pp.
FRENCH, per, Perspective Africaine -- Syntheses Politiques et Economiques, Vol X, No 198, 29 June 1966, pp. 1-10.
JPRS 37093

Africa
Political (Contd)

Economic and Political Survey of Guinea, by Th. J. Delays, 7 pp.
FRENCH, per, La Revue Maritime, No 235, Aug-Sept 1966, pp. 1056-1063.
JPRS 37918

Congo (Brazzaville) People's Tribunal Proceedings of 27 July, 28 July, and 2 August Reported, 5 pp.
FRENCH, np, La Semaine, Vol 15, No 727, 7 Aug 1966, pp. 1, 3 and Vol 15, No 728, 14 Aug 1966, pp. 1, 3.
JPRS 37387

Massamba-Debat Discusses Aims of Congo (Brazzaville) Revolution and Condemns Imperialism, 5 pp.
FRENCH, np, La Semaine, Vol 15, No 729, 21 and 18 Aug 1966, pp. 1 and 3.
JPRS 37769

Cameroon's Progress towards Political Unity, by Rene Ngapeth, 5 pp.
FRENCH, per, L'Unité, Vol VII, No 282, 29 Jun-6 Jul 1966, pp. 1, 4.
JPRS 36985

Statutes of New Cameroonesse Political Party, 10 pp.
FRENCH, per, L'Unité, Vol 7, No 291, 31 Aug - 7 Sept 1966, pp. 1-2, 4; No 292, 7 - 14 Sept 1966, pp. 4.
JPRS 37914

In the Vortex of the Second Revolution -- Africa in Search of Its Own Forms of Government, by Peter Grubbe, 7 pp.
GERMAN, per, Die Zeit, No 37, 9 Sept 1966, pp. 30.
JPRS 37918

Italian Activities in Africa, by Teobaldo Filoni, 11 pp.
ITALIAN, per, Migrasia, Vol 84, No 7-8, Jul-Aug 1966, pp. 10-15.
JPRS 37488

Italian Communist View of Developments of Somali Republic, by Franco Magagnini, 5 pp.
ITALIAN, np, L'Unita, 28 July 1966, p. 3.
JPRS 37273

Italian CP Daily Charges Italy with Being Imperialist Accomplice in Somalia, by Franco Magagnini, 5 pp.
ITALIAN, np, L'Unita, 31 July 1966, p. 11.
JPRS 37273

Africa
Political (Contd)

Italian Communist View of Developments in Somalia, by Franco Magagnini, 5 pp.
ITALIAN, np, L'Unita, 3 Aug 1966, p. 3.
JPRS 37273

Italian Communist Report on Tanzania, by Franco Magagnini, 7 pp.
ITALIAN, np, L'Unita, 7 Aug 1966, p. 3;
10 Aug 1966, p. 3.
JPRS 37273

Foundations of a Policy of African Subversion, by Polibio Fernando Amaro Valente de Almeida, 24 pp.
PORTUGUESE, per, Estudos Politicos e Sociais, Vol 4, No 1, 1966, pp. 97-125.
JPRS 37387

Speech of Zanzibari Minister of Home Affairs About Jembe at Mahonda Meeting, 5 pp.
SWAHILI, np, Kweupe, 18 June, p. 163; 25 June, p. 170; 28 June, p. 174; 2 July 1966, p. 178.
JPRS 36966

Military

Army Seen As Guarantor of Independence of African Countries, by M. Mamumbi, 5 pp.
FRENCH, per, Bulletin Militaire, No 15, 1966, pp. 223-231.
JPRS 37273

Terrorist Activity in Mozambique, by Helio August Esteves Felgas.
PORTUGUESE, per, Revista Militar, No 4, 1966, pp 176-199.
*ACSI J-0964
ID 2204051366

Some Aspects of Military Activity in Guinea by Helio Felgas,
PORTUGUESE, per, Revista Militar, No 6, June 1966, pp 323-344.
*ACSI J-0965
ID 2204051466

Human Problems Connected With the Struggle in Guinea, by Joaquim Simoes.
PORTUGUESE, per, Revista Militar, No 7, July 1966, pp 401-413.
*ACSI J-0966B
ID 2204051566

Africa
Sociological

The Bwiti, Initiation Society among the Apindji People in Gabon, by Stanislaw Swiderski, 43 pp.
FRENCH, per, Anthropos, Vol 60, Nos. 1-6, 1965, pp. 541-576.
JPRS 37234

Report on Prison Conditions by Congo (Kinshasa) Ministry of Justice, by Mr. Madudu, 5 pp.
FRENCH, np, Le Courrier d'Afrique, 27 July 1966, pp. 1 & 5.
JPRS 37330

Speeches by Gabou Diawara and Modibo Keita at Conclusion of Fifth Malian Youth Week, 12 pp.
FRENCH, per, L'Essor, 12 July 1966, pp. 1, 3, 4.
JPRS 36985

Socialist Aspects of Education of Children Emphasized at Mali Seminar, 13 pp.
FRENCH, per, L'Essor, No 367, 8 Aug 1966, pp. 1, 6, and 7.
JPRS 37769

The Significance of Labor Reforms Adopted by the Mali National Assembly, by Oumar Baba Diarra, 7 pp.
FRENCH, per, L'Essor, No 371, 5 Sept 1966, pp. 1 and 4.
JPRS 37914

Discussion of Organization and Objectives of Directorate General of Labor, by Jean-Luc Macosso, 5 pp.
FRENCH, per, Etumba, Vol II, No 31, 1 Sept 1966, pp. 8.
JPRS 37914

The State of Malagasy Education, by Laurent Batokey, 7 pp.
FRENCH, per, Europe-France Outremer, Vol 43, No 433-435, Jul-Aug 1966, pp. 10-12.
JPRS 37307

How to Become a Fetish Man in Dahomey, by Alexis Gnonlonfon, 5 pp.
FRENCH, per, France-Afrique, Vol 18, No 175, July 1966, pp. 38-39.
JPRS 37529

Revolutionary Role of Guinean Rural Training Schools, by Fode Berete, 7 pp.
FRENCH, per, Horoya, 7 July 1966, pp. 1, 2; 8 July, pp. 1, 4, and 9 July, pp. 1, 2.
JPRS 37078

Africa
Sociological (Contd)

Guinean Youth Problems, by Mr. Mamouna Toure,
18 pp.
FRENCH, per, Horoya, 9 Aug 1966, pp. 1 and 2;
10 Aug 1966, pp. 2 and 3; 11 Aug 1966, pp. 1 and
2; and 12 Aug 1966, pp. 2.
JPRS 37769

The Role of the Blacksmith in West Africa,
by Bodiel Thiam, 5 pp.
FRENCH, per, Notes Africaines, No 111, Jul
1966, pp. 97-100.
JPRS 37918

Remarks on Agades Crosses, by B. Dudot,
5 pp.
FRENCH, per, Notes Africaines, No 111,
Jul 1966, pp. 100-103.
JPRS 37918

Traditional Education among the Apindji
People of Gabon, by Stanislaw Swiderski, 27 pp.
FRENCH, per, Revue de Psychologie des Peuples,
Vol 21, No 2, 2nd Quarter 1966, pp. 194-220.
JPRS 37078

Cult of the God of Thunder in Southern Togo,
by Mario Plotti, 6 pp.
ITALIAN, per, Nigrisia, Vol 84, No 7-8, Jul-
Aug 1966, pp. 6-9.
JPRS 37488

Biographic

Biographical Information on New Members of
Congo (Kinshasa) Judiciary, 5 pp.
FRENCH, per, La Depeche, 13-15 Aug 1966, p. 8.
JPRS 37529

MIDDLE EAST

Economic

Economic Crimes, by Abdul Wahab Mustafa,
5 pp.
ARABIC, per, Al-Amm al-'Amm, Apr 1966,
pp. 73-76.
JPRS 37343

Industrial Security, by Lt. Col Kamal Al-
Mashnab, 12 pp.
ARABIC, per, Al-Amm al-'Amm, Apr 1966,
pp. 117-124.
JPRS 37343

1966 Directory of Establishments, Foundations,
and Companies in Egypt, 61 pp.
ARABIC, rpt, al-Dalii al-Jadid lil Mu'assasat
wa al-Shirkat, 1966, 1966, 2nd edition
JPRS 37607

Socialist Union Leads Battle against Cotton-
Leaf Worm, 13 pp.
ARABIC, per, al-Ishtiraki, 9 July 1966,
pp. 2-5.
JPRS 37471

Lessons from the First Five Year Plan for
Development, 11 pp.
ARABIC, per, al-Tali'ah, July 1966, pp. 11-
20.
JPRS 37247

Maritime Collective Agreements Should Be
Reviewed, by Stratis Tsambis, 6 pp.
GREEK, per, Elliniki Aristera, No 33-34, Apr-
May 1966, pp. 54-60.
JPRS 37050

East and West Praise Construction in Israel,
by Gidon Spiro, 10 pp.
HEBREW, ap, Al Hamishmar, 3 July 1966,
pp. 4, 5.
JPRS 37440

**Middle East
Political**

Bakdash's Interview with Hungarian Newspaper
Nepszabadszag, 7 pp.
ARABIC, np, al-Akhbar, 19 June 1966, pp. 1 & 7.
JPRS 37046

Second Cooperative Study Session of Peasant
Members of Executive Offices at Kafr ash-Shaykh,
5 pp.
ARABIC, per, al-Ishtiraki, 28 May 1966,
pp. 2-3.
JPRS 37471

The July Revolution in Its Fifteenth Year,
by Lufti al-Khawali, 5 pp.
ARABIC, per, al-Tali'ah, July 1966, pp. 5-10.
JPRS 37247

From Revolution to Islamic Alliance, by
Makram Mohammad Ahmed, 17 pp.
ARABIC, per, Al-Tali'ah, July 1966, pp. 103-
113.
JPRS 37247

"Unity of Arab Revolutionary Forces" Emerges
From the Realm of Mottos to the Realm of
Realities, by Latfy al-Khuly, 5 pp.
ARABIC, per, Al-Tali'ah, Aug 1966, pp. 5-9.
JPRS 37770

The Progressive Revolutionary Front -- Our
Route to the Arab Unity Movement, by Khairy
Hammad, 9 pp.
ARABIC, per, Al-Tali'ah, Aug 1966, pp. 10-15.
JPRS 37770

Discussion with Khalid Bakdash Concerning the
National Front, the Banner of Scientific Social-
ism and Other Matters, 9 pp.
ARABIC, np, Ila-l Aanan, 27 June 1966, pp. 1-2.
JPRS 37046

The Unity of Democratic Forces and the "Self
Dynamism" of the Center, by Stathis Karaghe-
orgis, 11 pp.
GREEK, per, Elliniki Aristera, No 33-34, Apr-
May 1966, pp. 17-25.
JPRS 37050

The Political Forces Today -- The Center,
by Antonis Brillakis, 11 pp.
GREEK, per, Elliniki Aristera, No 35-36,
Jun-Jul 1966, pp. 41-47, 19-155.
JPRS 37770

**Middle East
Political (Contd)**

We Will Not Be Second Class Citizens, Speech
in the Sixth Congress of Democratic Youth
in Sophia, by Hayem Shur, 8 pp.
HEBREW, np, Al Hamishmar, 24 June 1966,
pp. 3, 4.
JPRS 37440

What Difference Is There between Sophia
and Geneva?, by Raphi Benkler and Jacob
Meiyus, 5 pp.
HEBREW, np, Al Hamishmar, Vol XXIII, No 6992,
6 July 1966, p. 2.
JPRS 37046

B. Gonen Tells about the Conference of the
World Federation of Democratic Youth, by
Yosef Galili and B. Gonen, 7 pp.
HEBREW, per, Haderekh, No 44, 23 June 1966,
p. 1.
JPRS 37303

Impressions on the Youth Conference in Sofia,
by Yair Tsaban, 7 pp.
HEBREW, np, Kol Haam, 27 June 1966, p. 2.
JPRS 36967

"Novosti" Journalist Comments on Visit to
Israel, by Solomon Rabinowitz, 6 pp.
HEBREW, np, Kol Haam, 8 July 1966, pp. 5, 7.
JPRS 37100

The Youth of Israel Speaks to the Youth of
the World, by Binyamin Gonen, 6 pp.
HEBREW, per, Zo Haderekh, No 44, 23 June
1966, p. 2.
JPRS 37303

T. Tobl Extols the Fight of the Forces of
Peace in Israel, 5 pp.
HEBREW, per, Zo Haderekh, No 45, 30 June
1966, p. 2.
JPRS 37303

Resolutions of the Eleventh Session of the
Plenary Senate Committee of Maki /Kakab/, 7 pp.
HEBREW, per, Zo Haderekh, No 47, 14 Jul 1966,
pp. 4, 5.
JPRS 37410

On the Geneva Congress of the World Peace
Council, by Tzufik Tobi, 10 pp.
HEBREW, per, Zo Haderekh, No 48, 21 Jul 1966,
pp. 4.
JPRS 37410

Middle East
Military

'Strategic' Unity Versus 'Tactical' Unity,
by Latfy al-Khuly, 5 pp.
ARABIC, per, At-Tali'ah, Sept 1966, pp. 5-8
JPRS 37770

Sociological

The Crimes of Larceny, by Ahmed Hussni, 13 pp.
ARABIC, per, Al-Amm al-Amm, Jan 1966, pp. 35-42.
JPRS 37608

The Role of the Society in the Maintenance
of Security, by Mohamed Fathi Ma'moun, 9 pp.
ARABIC, per, Al-Amm-al-Amm, Jan 1966, pp. 43-48.
JPRS 37608

The Effective Factors in the Requirements of
the Police, by Lt. Col. Hassan Fath El-Bab, 10 pp.
ARABIC, per, Al-Amm-al-Amm, Jan 1966, pp. 51-58.
JPRS 37608

Organisations of the Directorates of Security,
by Col. Mohamed Hussein Mahmoud, 52 pp.
ARABIC, per, Al-Amm-al-Amm, Jan 1966, pp. 119-148.
JPRS 37608

Emigration, by Gen. Muhammad Fathi Al-Qadhi, 6 pp.
ARABIC, per, Al-Amm-al-'Amm, Apr 1966, pp. 13-16.
JPRS 37348

Protection of Criminal Law for the Public
Sector, by Ahmed Hussni, 15 pp.
ARABIC, per, Al-Amm al-'Amm, Apr 1966, pp. 17-26.
JPRS 37343

The Right of the Police to Stop Persons, by
Hafes Al-Salmi, 16 pp.
ARABIC, per, Al-Amm al-'Amm, Apr 1966,
pp. 55-64.
JPRS 37348

Middle East
Sociological (Contd)

The Crime of the Use of Public Property,
by Rabeih Lutfi Jumah, 9 pp.
ARABIC, per, Al-Amm al-'Amm, Apr 1966,
pp. 77-82.
JPRS 37348

The Purpose of the Patriotic Labor Charter,
11 pp.
ARABIC, per, al-Ishtiraki, May 28, 1966,
pp. 4-5.
JPRS 37471

A Draft Law Forbidding National, Sectarian,
Racial, and Religious Agitation, by S. Mikunis,
6 pp.
HEBREW, np, Kol Hacham, 22 Jul 1966, pp. 2.
JPRS 37410

Classes and the Class Struggle in Turkey,
by Yu. N. Rozaliyev, 134 pp.
RUSSIAN, bk, Klassy i Klassovaya Bor'ba v
Turtsii, 1966, pp. 3-166.
JPRS 37358

FAR EAST

Economic

Exhibition of the First Ministry of Machine
Building Industry, 8 pp.
CHINESE, per, Chi-hai-shan Kung-shang, No 8,
25 Apr 66, pp. 15-18.
JPRS 37432

Three Days at Shih-Ching-Shan Steel Mill,
by Wen Ch'ing, 10 pp.
CHINESE, per, Hsin Kung-shang, No 4, 18 Apr
1966, pp. 16-20 & 26.
JPRS 36938

Some Characteristic Features of Chinese
Climate and Their Effects on Crop Production,
by Chu K'o-chen, 18 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXX, No 1,
Mar 1964, pp. 1-11.
JPRS 37233

Far East
Economic (Contd)

The Symposium on Geomorphology and Economic Geography Held by the Geographical Society of China, 17 pp.

CHINESE, per, Ti-li Hsueh-pao, Vol XXXI, No 2, Jun 19, 1965, pp. 170-178.

JPRS 37823

Czech-Built Sugar Refinery Opened in Cambodia, by P. Fuchs, 5 pp.

FRENCH, np, La Depeche du Cambodge, 29 June 1966, pp. 1, 2.

JPRS 36996

French Trade Union Official Gives Account of His Visit to North Vietnam, by Paulette Pellienq, 5 pp.

FRENCH, np, L'Humanite, 4 Sept 1966, pp. 10.

JPRS 37904

President Ahidjo Submits the Second Five-Year Plan to the Cameroonian National Assembly, 25 pp.

FRENCH, np, La Presse du Cameroun, 18 Aug 1966, pp. 1,4; 19 Aug, pp. 1,4; 20 Aug, pp. 1,4.

JPRS 37735

International Trade and Commerce: Trade and Payments Agreement Between Japan and USSR.

JAPANESE, rpt,
DIA 2222052966

Our Party's Marxist-Leninist Course for Solution of the Farm Problem on the 20th Anniversary of Land Reform, 24 pp.

KOREAN, per, Kullosa, 20 Mar 1966, pp. 2-23.

JPRS 37418

Increase Equipment Utilization Rate for Decisive Production Increases, by Ch'oe Chung-guk, 9 pp.

KOREAN, per, Kullosa, No 5, May 1966, pp. 22-27.

JPRS 37267

National Land Management and Socialist Construction, by Kim Chong-hoe, 8 pp.

KOREAN, per, Kullosa, No 5, May 1966, pp. 28-33.

JPRS 37267

Improving the Quality of Consumer Goods through Mutual Assistance and Cooperation, 5 pp.

KOREAN, np, Minju Choson, 15 June 1966, p. 1.

JPRS 37091

Far East
Economic (Contd)

Socialist Business Means Supplying Goods and Services to the People, by Kwon Yong-han, 7 pp.

KOREAN, np, Minju Choson, 19 June 1966, p. 2.

JPRS 37091

National Income of a Socialist State, by HWANG Byong-wuk, 6 pp.

KOREAN, np, Podong Sinmun, 10 Jul 1966, pp 2 and 11 Jul 1966, pp 2.

JPRS 37563

A Wide Program For the Intensive Development of Industry, by B. Digermsiren, 5 pp.

MONGOLIAN, np, Unan, 12 May 1966, pp. 2-3.

JPRS 37837

Construction Projects in the Far East, by Ye. Sidorenko, 5 pp.

RUSSIAN, per, Ekonomika Stroitel'stva, No 5, 1966, pp. 21-24.

JPRS 37326

Rice Mill Statistics of Thailand: of Northeastern Provinces; of Other Provinces 68 pp.

THAI, rpt,
ACSI J-0612

Developing Local Industry to Strengthen the Economy and Defense of the Country, by Ngo Minh Loan, 8 pp.

VIETNAMESE, per, Hoc Tap, July 1966, No 7, pp. 38-44.

JPRS 37298

Strengthening the State Farmsite, by Le Day Trinh, 7 pp.

VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 66-70 & 99.

JPRS 37298

Promote the Work to Encourage the Saving of Money, by Vu Day Hieu, 3 pp.

VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 71-76.

JPRS 37298

The Township Trade Cooperative, by Bui Bao Van, 10 pp.

VIETNAMESE, per, Hoc Tap, Jul 1966, No 7, pp. 77-84.

JPRS 37298

Far East
Economic (Contd)

Ly Tu Trong Party Branch Insures Good Production and Combat, by Tran Loc, 6 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 90-95.
JPRS 37298

The Dong Phuong Hong Coop Brings Science and Technology to Agricultural Production, by Huu Hanh, 5 pp.
VIETNAMESE, per, Hoc Tap, July 1966, No 7, pp. 95-99.
JPRS 37298

Technical Progress of the Sugar Industry in 1961-1965, by Tran Trung Nghia, 5 pp.
VIETNAMESE, per, Ky Thuat Cong Nghiep Nhe, May 1966, pp. 3-5.
JPRS 36939

The Operation of Electric Motors Demand New Changes, by Thai Minh Tuong, 5 pp.
VIETNAMESE, per, Ky Thuat Cong Nghiep, Jul 1966, pp. 1-2.
JPRS 37904

The Quang Trung Mechanical Factory Serving Central and Regional Industries, by Nguyen Van Sich, 5 pp.
VIETNAMESE, per, Ky Thuat Cong Nghiep Nhe, Jul 1966, pp. 3-5.
JPRS 37904

Create Good Soil to Increase Crop Productivity, by Le Van Can, 5 pp.
VIETNAMESE, np, Nhan Dan, 22 Aug 1966, pp. 2.
JPRS 37904

Hanoi Local Industries Economize, by Le Nhai Sam, 5 pp.
VIETNAMESE, np, Thu Do Ha Noi, 15 June 1966, pp. 1 & 4.
JPRS 37409

A Study of Yellow Rice Blight, by Duong Hong Dat, 20 pp.
VIETNAMESE, per, Tin Tuc Hoat Dong Khoa Hoc, June 1966, pp. 19-29.
JPRS 37158

Some Comments from the Science and Technology Committee of Vinh Phuc at the General Conference of Local Science and Technology Committees, 6 pp.
VIETNAMESE, per, Tin Tuc Hoat Dong Khoa Hoc, June 1966, pp. 30-33.
JPRS 37158

Far East
Political

At the Headquarters of Comrade Khamatov, by Ivan Shchegolev, 5 pp.
RUSSIAN, np, Pravda, 25 July 1966, p. 4.
JPRS 37619

Political Geography, by Chang Ch'i-yun, 85 pp.
CHINESE, bk, Cheng-chih Ti-li-hsueh, Dec 1965, pp. 1-91.
JPRS 37057

To Realize the Revolutionization of Communications Work by Raising High the Great Red Flag of Mao Tse-tung's Thought, 9 pp.
CHINESE, per, Ch'i-ch'e, No 4, 12 Apr 1966, pp. 2-4.
JPRS 37043

Models Studying Chairman Mao's Works in the Communications System, 7 pp.
CHINESE, per, Ch'i-ch'e, No 4, 12 Apr 1966, pp. 8-9.
JPRS 37043

The Great Lesson of the Former Peiping Municipal Commission of the Communist Youth League, by Kao Hung (7599 5725), 5 pp.
CHINESE, per, Chung-kuo Ch'ing-nien, No 13, 1 Jul 1966, pp. 27-28.
JPRS 37514

Communique of the Eleventh Plenary Session of the Eighth Central Committee of the Communist Party of China, 7 pp.
CHINESE, per, Hung-ch'i, No 11, 21 Aug 1966, pp. 2-7.
JPRS 37902

Victoriously March Forward Along the Road of Mao Tse-tung's Thought, 5 pp.
CHINESE, per, Hung-ch'i, No 11, 21 Aug 1966, pp. 19-21.
JPRS 37902

Saluting the Revolutionary Youths and Teenagers, 5 pp.
CHINESE, per, Hung-ch'i, No 11, 21 Aug 1966, pp. 33-35.
JPRS 37902

Smash Chou Yang's Reactionary Scheme of Having Hou Wei-Lu Sing Praise of T'ang Hsien-Tsu, by Hsi Mayen (0242/1075/3908), 13 pp.
CHINESE, np, Kuang-ming Jih-pao, 10 Aug 1966, pp. 4.
JPRS 37514

Far East
Political (Contd)

Tu Hsin, A Reactionary Official, by TUNG Sheng (2639/3932), 8 pp.
CHINESE, per, Shao-Tung Chiao-yu, No 6, 20 Jun 1966, pp. 23-26.
JPRS 37497

Messenger from Her Majesty the Queen and Sandech Sahachivin, 5 pp.
FRENCH, np, La Depeche du Cambodge, 6 July 1966, p. 3.
JPRS 37423

Semi-Annual Report of Cambodian Government Party, 10 pp.
FRENCH, per, La Depeche du Cambodge, 21, 22, 23 and 25 July 1966, p. 2 in each
JPRS 37609

Communist China's Activities in Latin America, 14 pp.
FRENCH, np, Est et Ouest, 16-31 July 1966, pp. 30-35.
JPRS 37474

What Are the Dangers of a Sino-American War? by Robert Guillein, Claude Julien and Henri Pierre, 18 pp.
FRENCH, np, Le Monde, 4, 5, 6, 7 & 8 Aug 1966, pp. 1-2 of each issue.
JPRS 37099

Land of Heroes, Vietnam, by Erno Lakatos, 15 pp.
HUNGARIAN, per, Magyar Ifjúság, 16, 23, 30 Jul and 6, 13 Aug 1966.
JPRS 37723

Gravest Crisis in 30 Years in Chinese CP, by Livo Maitan, 5 pp.
ITALIAN, per, Bandiera Rossa, Vol XVII, No 7, July 1966, p. 2.
JPRS 37070

Far East
Political (Contd)

Decision of the Central Committee of the Chinese Communist Party Concerning the Great Proletarian Cultural Revolution, 10 pp.
CHINESE, per, Hung-ch'i, No 10, 10 Aug 1966, pp. 1-9.
JPRS 37526

A Programmatic Document of the Great Proletarian Cultural Revolution, 5 pp.
CHINESE, per, Hung-ch'i, No 10, 10 Aug 1966, pp. 10-13.
JPRS 37526

Energetically Launch the Mass Campaign for Studying Chairman Mao's Writings, Speed Up the Proletarian Revolutionization of Peasants' Thought, by Chao Tzu-yang, 21 pp.
CHINESE, per, Hung-ch'i, No 10, 10 Aug 1966, pp. 14-25.
JPRS 37526

Comment on Sun Yeh-fang's Reactionary Political Stand and Economic Program, by Meng K'uei and Hsiao Lin, 15 pp.
CHINESE, per, Hung-ch'i, No 10, 10 Aug 1966, pp. 26-37.
JPRS 37526

The Three Poison Weeds of Hou Wai-Lu's Comments of T'ang Hsien-tsu's Plays, by Wang En-yu, T'ang Yu-yuan and Meng Hsiang-ts'ai, 10 pp.
CHINESE, per, Hung-ch'i, No 10, 10 Aug 1966, pp. 38-49.
JPRS 37526

Rinascita on Chinese CP Central Committee 12 August Resolution, by Franco Bertone, 6 pp.
ITALIAN, per, Rinascita, No 33, 30 Aug 1966, pp. 17-18.
JPRS 37513

Withdrawal of Delegates from the Japanese Conference to Ban Atomic and Hydrogen Bombs, 6 pp.
JAPANESE, np, Akahata, 7 Aug 1966, p. 2.
JPRS 37546

Korean Delegate's Speech at the Japanese Conference to Ban Atomic and Hydrogen Bombs, by Pak Chong-hyon, 5 pp.
JAPANESE, np, Akahata, 7 Aug 1966, p. 3.
JPRS 37546

Problems and Tasks of the Japanese Communist Party, by Yonshara Itaru, 12 pp.
JAPANESE, np, Akahata, 25 July 1966, pp. 3-4.
JPRS 37126

Far East
Political (Contd)

History and Platform of Japanese Communist Party, by Toyota Shiro, 7 pp.
JAPANESE, np, Akahata, 7 Aug 1966, p. 5.
JPRS 37546

International Preparatory Conference Report To the Twelfth World Conference for Banning Atomic and Hydrogen Bombs, 10 pp.
JAPANESE, np, Akahata, 4 Aug 1966, p. 1.
JPRS 37439

North Korean Delegate Speaks in Japan on Banning Atomic and Hydrogen Bombs, by Yi Si-gu, 5 pp.
JAPANESE, np, Akahata, 4 Aug 1966, p. 2.
JPRS 37439

Romanian Delegate Speaks in Japan on Banning Atomic and Hydrogen Bombs, by Stefan Andrei, 5 pp.
JAPANESE, np, Akahata, 4 Aug 1966, p. 3.
JPRS 37439

Japanese Communist Party Platform and Present Problems, 7 pp.
JAPANESE, np, Akahata, 6 Aug 1966, p. 5.
JPRS 37439

Patriotic Indoctrination of Students, by Yi Chang Kun, 9 pp.
KOREAN, per, Inmin Kyoyuk, 20 May 1966, pp. 4-8.
JPRS 37044

Great Achievements and Experience of the Fatherland Restoration Society, by Pak Tung-yol, 14 pp.
KOREAN, per, Kulloja, No 5, May 1966, pp. 13-21.
JPRS 37267

Do Not Forget American Imperialists the Lesson of the Korean War, by Yun Tai Hong, 5 pp.
KOREAN, np, Minju Choson, 24 June 1966, p. 2.
JPRS 37044

Political Indoctrination of People, 5 pp.
KOREAN, np, Nodong Sinmun, 21 June 1966, p. 1.
JPRS 37411

Marxism-Leninism Has Developed through the Struggle against "Left-Wing" and Right-Wing Opportunism, by Chong Tai-gun, 9 pp.
KOREAN, np, Nodong Sinmun, 13 July 1966, p. 2.
JPRS 37089

Far East
Political (Contd)

Norwegian Eyewitness Reports From North Vietnam, by Tore-Jarl Bielenberg, 16 pp.
NORWEGIAN, np, Friheten, 13 Jul 1966, pp. 1; 14 Jul 1966, pp. 1, 8; 15 Jul 1966, pp. 1, 12; 19 Jul 1966, pp. 4-5; 20 Jul 1966, pp. 4; 21 Jul 1966, pp. 4-5; 27 Jul 1966, pp. 4-5.
JPRS 37904

Pham Van Dong Interview With Tore-Jarl Bielenberg, by Tore-Jarl Bielenberg, 5 pp.
NORWEGIAN, np, Friheten, 16 July 1966, pp. 1, 4 and 7.
JPRS 37539

Completing the Building of Socialism in Mongolia, by Yumzhagiyn Tsedenbal, 18 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 86-100.
JPRS 37370

The Right Cause of the Vietnamese People Will Triumph, by V. Zelentsov, 8 pp.
RUSSIAN, per, Kommunist, No 10, 7 July 1966, pp. 112-118.
JPRS 37370

Indonesia's Political History and the 1 October Coup -- A Swedish Leftist View, by Christer Hogstedt, 17 pp.
SWEDISH, np, Tidsignal, 15-21 June, pp. 4-5, 22-28 June, pp. 12, 13-14, and 5 July 1966, pp. 4-5.
JPRS 37363

Forty-Five Years of Glorious Victories by the Chinese Communist Party, by Tran Tu Binh, 11 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 22-31.
JPRS 37298

Products of Great Patriotic Spirit, by Bao Dinh Giang, 9 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 55-65.
JPRS 37298

The Quang Trung Machine Plant Party Committee Is Determined to Struggle On, by Nguyen Duc Dinh, 8 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 85-90.
JPRS 37298

Development of the Political Institute, by Van Cuong, 5 pp.
VIETNAMESE, np, Quan Doi Nhan Dan, 15 June 1966, p. 3.
JPRS 37125

Five Point Political Education of the Militia and Self-Defense Forces, by Tran Duc, 5 pp.
VIETNAMESE, np, Quan Doi Nhan Dan, 23 Jun 1966, p. 2.
JPRS 37775

**Far East
Military**

Factionalism in the Japanese Anti-Nuclear Bomb Movement, by Sakaki Toshio, 7 pp.
JAPANESE, np, Akahata, 25 July 1966, p. 5.
JPRS 37126

A Big Blow to the U. S. Expeditionary Forces, by Hong Chuong, 11 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 45-54.
JPRS 37298

Concealing Lights during An Air Raid, 6 pp.
VIETNAMESE, np, Nhan Dan, 15 July 1966, p. 3.
JPRS 37082

The American Strategic Counteroffensive, by Truong Son, 9 pp.
VIETNAMESE, np, Quan Doi Nhan Dan, No 1838, 26 May 1965, pp. 1 & 3.
JPRS 37082

Three Great Experiences of Militia and Self-Defense Forces, by Tran Van Quang, 8 pp.
VIETNAMESE, np, Quan Doi Nhan Dan, 7 July 1966, p. 3.
JPRS 37082

Construction of Combat Villages, by Colonel Nguyen Quyet, 7 pp.
VIETNAMESE, np, Quan Doi Nhan Dan, No 1905, 12 Aug 1966, pp. 3.
JPRS 37734

The Communication-Transportation Branch Fights the U.S. for National Salvation, by Phan Trong Tue, 6 pp.
VIETNAMESE, per, To Quoc, July 1966, pp. 14-17.
JPRS 37082

**Far East
Sociological**

Criticism of the "Three-Family Village" of Teng T'io, Liao Mo-Sha and Wu Han, 5 pp.
CHINESE, per, Erh-t'ung Shih-tai, No 10, 16 May 1966, pp. 2-5.
JPRS 37712

Akha and Meo; Problems of Applied Ethnology in the Indo-Chinese Peninsula by Hugo Adolf Bernatzik.
GERMAN, rpt, Akha und Meao: Probleme der Angewandten Volkerkunde in Hinterindien, Vol I and II, 1947,
ACSI J-0643
ID 2204044666

The Yao in Southern China, by Hans Wist, 78 pp.
GERMAN, per, Baessler-Archiv-Beitrage zur Volkerkunde, Vol XXI, No 3, 1938, pp 73-135.
ACSI J-0833
ID 2204049066

Let Us Develop among Farm Workers the Awareness and Attitude of a Head of the House, by Kang Pyo'ng No, 10 pp.
KOREAN, per, Killoja, 20 Mar 1966, pp. 24-30.
JPRS 37413

Substantially Assisting Rural Areas Is the Noble Duty of the Working Class, by Ch'oe Wo'il-so'ng, 14 pp.
KOREAN, per, Killoja, 20 Mar 1966, pp. 31-41.
JPRS 37413

The Combining of Work and Rest of Laborers, by Kang Chae-yo'ng, 6 pp.
KOREAN, per, Killoja, 20 Mar 1966, pp. 42-47.
JPRS 37413

The Revolution and the Problem of Education, by Hong Sun-gwon, 3 pp.
KOREAN, per, Killoja, No 5, May 1966, pp. 2-7.
JPRS 37207

Responsibility and Creativity, 7 pp.
KOREAN, per, Killoja, No 5, May 1966, pp. 8-12.
JPRS 37207

Review of History of Korea, by O Kil-bo, 13 pp.
KOREAN, per, Killoja, No 5, May 1966, pp. 33-50.
JPRS 37207

Far East
Sociological (Contd)

Creating Revolutionary Fighter Characters in Literature, by Kong Nung-su, 8 pp.
KOREAN, per, Kulloja, No 5, May 1966, pp. 59-64.
JPRS 37267

Sovereignty and Wealth Belong to the Workers, by SONG Jae-oh'ol, 9 pp.
KOREAN, np, Minju Choson, 6 Jul 1966, pp. 6, and 7 Jul 1966, pp. 2.
JPRS 37563

Depicting Fighters and Human Beings and The World of Experience of The Heroes, by Chang Chong-hwan, 5 pp.
KOREAN, np, Munhak Sinmun, 14 June 1966, p. 1.
JPRS 37001

Socialist Literary Development on the Basis of Traditional Cultural Heritage, 5 pp.
KOREAN, np, Munhak Sinmun, 17 June 1966, p. 1.
JPRS 37216

Training the Youth as Socialist Fighters, 5 pp.
KOREAN, np, Nodong Ch'ongnyon, 22 June 1966, p. 1.
JPRS 37216

Socialist Patriotic Indoctrination among the Workers, by Chang Chae-sok and Chong Tal-gun, 8 pp.
KOREAN, np, Nodong Sinmun, 11 June 1966, pp. 2-3.
JPRS 37001

Consolidation of Farm Villages, by Hong Sang-p'yo, 6 pp.
KOREAN, np, Nodong Sinmun, 30 Jun 1966, pp 2-3.
JPRS 37563

Real Wages of Workers under Our Socialist System, by Sok Chun-hak, 5 pp.
KOREAN, np, Nodong Sinmun, 15 June 1966, p. 2.
JPRS 37001

Real Wages of Workers under Our Socialist System - Part II, by Sok Chun-hak, 6 pp.
KOREAN, np, Nodong Sinmun, 16 June 1966, p. 2.
JPRS 37001

Far East
Sociological (Contd)

Production and Distribution, by Kim Kyun, 5 pp.
KOREAN, np, Nodong Sinmun, 22 June 1966, p. 2.
JPRS 37411

Let Us Develop Our National Language, by KIM Byong-je, 5 pp.
KOREAN, np, Nodong Sinmun, 8 Jul 1966, pp 2.
JPRS 37563

The Characteristics of the Composition of Great Revolutionary Works, by Shi-Yong Lee, 25 pp.
KOREAN, per, Omun Yonku, No 1, 28 Feb 1966, pp. 1-8.
JPRS 36952

Practical Assignments To Be Given By Party Education System, by Sh. Jumdaan, 5 pp.
MONGOLIAN, per, Namyn Am'dral, No 1, Jan 1966, pp. 53-56.
JPRS 37081

Chinese Students Attack Bourgeois Education, 5 pp.
RUSSIAN, np, Literaturnaya Gazeta, 21 July 1966, p. 4.
JPRS 37070

The Chinese Press on Western Literature and Music, 6 pp.
RUSSIAN, np, Literaturnaya gazeta, 9 Aug 1966, p. 4.
JPRS 37474

Practice in Foreign Languages, by Pham Ngoc Huyen, 6 pp.
VIETNAMESE, per, Giao Duc Cap III, May 1966, pp. 22-25 & 32.
JPRS 37125

Some Ideas about Education of and Care for Adolescents and Children, by Nguyen Khanh Toan, 7 pp.
VIETNAMESE, per, Hoc Tap, No 7, July 1966, pp. 32-37.
JPRS 37298

Increasing Administration and Policies for War Invalids and Heroes' Families, 9 pp.
VIETNAMESE, np, Quan Dai Nhon Dan, 27 Jul 1966, pp 2.
JPRS 37565

Technical Revolution and the Intellectuals, by Nguyen Con, 7 pp.
VIETNAMESE, per, To Quoc, July 1966, pp. 9-13.
JPRS 37082

Vietnamese Culture. A General Outline, by Tac-Gia Chi.
VIETNAMESE, rpt, Vietnam Vanhoa Su'cu'o'ng, 1938, pp 13-101; 167-190; 191-229; 316-342; 230-315; 103-122; 343-347; 123-138; A-E, 139-166.
ACSI 1-9242
ID 2204005866

**Far East
Biographic**

Biographic Data on Cambodian Defense Minister
Lt Gen Lon-Nol, 6 pp.
FRENCH, per, Le Sangkum, No 10, May 1966,
pp. 15-20.
JPRS 37423

LATIN AMERICA

Economic

Explorations in the Southern Mato Grosso
Part III. Man and His Forms of Life, by
Dr. Friedrich Euehlhorn, 32 pp.
GERMAN, per, Petersmanns Geographische
Mitteilungen, Vol 103, No 3, 1959, pp.
237-272.
JPRS 37910

Industrialization and Regional Planning in
Cuba, by the Cuban Central Planning Board,
59 pp.
SPANISH, rpt, 1966, 46 pages + chart.
JPRS 37820

A. The Responsibility of the Christian
Democratic Parties for Development, by
Francisco Pinto; B. The Problem of Agrar-
ian Reform, by Rau' Alegrett.
SPANISH, bk, Desarrollo y Planificacion,
a. Vol 4, IV-4-1, pp 1-14; b. Vol 4,
IV-6-6, pp 1-36.
*JPRS/NY-13469

Assessment of Advances in the Northeast
Undertaken, by Calasans Fernandes, 6 pp.
PORTUGUESE, np, Diario de Pernambuco, 29 Jul
1966, pp. 5.
JPRS 37508

Northeast Demonstrates It Can Use Foreign Aid,
Calasans Fernandes, 5 pp.
PORTUGUESE, np, Diario de Pernambuco, 30 Jul
1966, pp. 5.
JPRS 37508

Brazilian Northeastern States Provide Invest-
ment Incentives, 5 pp.
PORTUGUESE, np, O Estado de Sao Paulo, 6 Jul
1966, p. 18.
JPRS 37262

**Latin America
Economic (Contd)**

River Transportation in the Mamore Valley,
by Jaine Tabořga T. , L. Morales,
Manuel Vosges, 67 pp.
SPANISH, rpt, 1963,
DIA LN 460-66

Steps Taken to Improve Future Coffee Crops,
by Ramon Aymerich, 6 pp.
SPANISH, per, ANAP, Vol VI, No 5, May 1966,
pp. 6-9.
JPRS 37339

Electrification and Economic Development,
8 pp.
SPANISH, per, Cuba Socialista, July 1966,
pp. 124-132
JPRS 37056

Present Problems and Future Plans in the Cuban
Food Industry, by Rolando Alvarez, 17 pp.
SPANISH, np, Cuba Socialista, Aug 1966,
pp. 38-62.
JPRS 37213

The Technological Revolution and Economic
Reorganisation of Agriculture, by Carlos Romeo,
20 pp.
SPANISH, per, Cuba Socialista, Aug 1966,
pp. 63-87.
JPRS 37498

Colombia and the Latin American Free Trade
Association (ALALC), by Teodosio Varela, 17 pp.
SPANISH, per, Documentos Politicos, May 1966,
pp. 34-54.
JPRS 37303

Economic Growth in Latin America, 8 pp.
SPANISH, per, Ercilla, 22 June 1966, pp. 34-35.
JPRS 37144

The Challenge of Unity, by Ib Texeira, 12 pp.
SPANISH, per, Ercilla, 22 June 1966, pp. 37-39.
JPRS 37144

Latest Legislation on Cuban Domestic Trade
and Banking, 5 pp.
SPANISH, per, Gaceta Oficial, 22 June 1966,
pp. 47-49.
JPRS 37095

First Furnace for Glass Combine Ready, by Jose
Gabriel Guma, 5 pp.
SPANISH, per, Granma, 22 July 1966, p. 4.
JPRS 37381

Latin America
Economic (Contd)

San Jose De Las Lajas Glass Factory Expansion,
by Jose Gabriel Guma, 6 pp.
SPANISH, np, Granma, 6 Aug 1966, pp. 8.
JPRS 37725

Cuban Hydraulic Engineering Achievements,
Problems and Plans Discussed, by Enrique Mesa,
12 pp.
SPANISH, np, Granma, 9 Aug 1966, pp. 4.
JPRS 37792

Cuba's Fishing Industry, 11 pp.
SPANISH, np, Juventud Rebelde, 4 Jul 1966, pp. 10.
JPRS 37510

Hydraulic Plan for Oriente Province, by
Judas Pacheco, 6 pp.
SPANISH, np, Juventud Rebelde, 29 Jul 1966,
pp. 8.
JPRS 37698

Economic Planning and New Argentine Government,
8 pp.
SPANISH, per, L.P.C., 13 July 1966, pp. 11,
15-16.
JPRS 37396

Ninety-One Days in the Atlantic on Board
the "Albacora", by Rafael Macias, 10 pp.
SPANISH, per, Mar y Pesca, Aug 1966,
pp. 28-41.
JPRS 37722

A Provincial Economic Experiment, by Pedro
Rios, 14 pp.
SPANISH, per, Panorama Economico Latinoamericano,
Nos 188 and 189, 1966, pp. 4-9 and 13-16,
respectively.
JPRS 37722

The Transportation System of Paraguay,
by Nicolas T. Riveros, 4 pp.
SPANISH, per, Paraguay Industrial
y Comercial, No 260, May 1966,
pp. 49-51.
DIA LN 403-66

Reporter's Account of Sugar Production Activ-
ities in Tunas-Puerto Padre Region of Oriente
Province, by Consuelo Rojas, 7 pp.
SPANISH, np, Sierra Maestra, 3 Apr 1966,
p. 8.
JPRS 36986

Latin America
Economic (Contd)

Intensification of Irrigation and Drainage
Planning Urged in Cuba, by Pedro Yasakov, 7 pp.
SPANISH, np, Voluntad Hidraulica, May 1965,
pp. 4-8.
JPRS 37792

Present Situation of Irrigation in Cuba,
by Jorge Santamarina, 8 pp.
SPANISH, per, Voluntad Hidraulica, Aug. 1965,
No 10, pp. 38-42.
JPRS 37772

Supplying Water for Greater Havana, by
Stavimir Stanimirov, 15 pp.
SPANISH, per, Voluntad Hidraulica, No 10,
Aug 1965, pp. 51-62.
JPRS 37772

Rainfall Studies Emphasized in Cuba, by Elias
Suarez, 11 pp.
SPANISH, np, Voluntad Hidraulica, Oct 1964,
pp. 5-9.
JPRS 37792

Political

Communist Developments in Uruguay, by Manuel
de Souza, 8 pp.
FRENCH, per, Est & Ouest, No 366, 1-15 July
1966, pp. 25-28.
JPRS 37303

Tasks of the Communist Party of Ecuador,
by Antonio Ramirez, 9 pp.
RUSSIAN, per, Partiy'naya zhizn', No 15,
Aug 1966, pp. 68-73.
JPRS 37676

Division among the Dominican Communists, by
Florangel Cardenas, 12 pp.
SPANISH, per, Ahora, No 143, 15 Aug 1966,
pp. 13-16, 60.
JPRS 37513

Changes in Cuba's Foreign Trade Organization,
7 pp.
SPANISH, np, Cuba, Comercio Exterior, Nov-
Dec 1965, pp. 3-5.
JPRS 37242

Latin America
Political (Contd)

Ferrimport, An Experiment In Cuban Foreign Trade, by Jose de la Fuente, 5 pp.
SPANISH, np, Cuba Comercio Exterior, 1965, pp. 13-16.
JPRS 37242

Toward New Victories with the 26th of July Spirit, 6 pp.
SPANISH, per, Cuba Socialista, July 1966, pp. 2-9.
JPRS 37056

The Cuban Workers' Movement from 1925 to 1933, 31 pp.
SPANISH, np, Cuba Socialista, Aug 1966, pp. 88-119.
JPRS 37474

Communist Party Cites Attacks Against It, 8 pp.
SPANISH, per, Documentos Politicos, May 1966, pp. 99-105.
JPRS 37303

Proceedings of the Second National Congress of the Spanish Cuban Friendship Society, 14 pp.
SPANISH, np, Espana Republicana, Vol 28, No 614, 1 July 1966, pp. 8-12.
JPRS 37143

Spanish Communist Party Declaration on Thirtieth Anniversary of Civil War, 7 pp.
SPANISH, per, Espana Republicana, Vol XXVIII, No 615, 15 July 1966, pp. 1 & 4.
JPRS 37513

Denunciation and Critical Analysis of the Tactics and Plans of the Venezuelan Communists: The Manifesto of Iracama, 19 pp.
SPANISH, np, Este & Oeste, 15-30 June 1966.
JPRS 37070

Local Authority Prepares Its Report To the People, by Marta Rojas, 6 pp.
SPANISH, np, Granma, 11 July 1966, p. 8.
JPRS 37349

Local Authority Is Also Like a School, by Marta Rojas, 6 pp.
SPANISH, np, Granma, 15 July 1966, p. 8.
JPRS 37349

Latin America
Political (Contd)

Bolivian Trotskyite Organ Publishes Circular Letter on Freedom Campaign for Mexican, Cuban and Guatemalan Trotskyites, 5 pp.
SPANISH, per, Lucha Obrera, Nos 193-194, 3rd and 4th weeks of June 1966, p. 2.
JPRS 37070

Report on Agrarian Reform in Cuba, by Dr. Antonio Nunez Jimenez, 20 pp.
SPANISH, np, El Mundo, 25 June 1966, p. 5.
JPRS 37143

Declaration of Principles of Cuban Workers Organization, 15 pp.
SPANISH, np, El Mundo, 6 July 1966, p. 6.
JPRS 37065

Resolutions of the Nineteenth Congress of the Uruguayan Communist Party, 9 pp.
SPANISH, np, El Popular, 14 Aug 1966, p. 9.
JPRS 37474

Ecuador Communist Party on Agrarian Reform, 6 pp.
SPANISH, per, El Pueblo, No 510, 20 Aug 1966, pp. 3.
JPRS 37676

Peruvian Pro-Soviet Communist Organ Calls for New Political Force, 5 pp.
SPANISH, per, Unidad, No 100, 17 June 1966, p. 7.
JPRS 37513

Summary of 10 Years of Pro-Soviet Peruvian CP Journal, 6 pp.
SPANISH, per, Unidad, No 100, 17 June 1966, pp. 8-9.
JPRS 37513

Peruvian Pro-Soviet Communists Discuss 23rd CPSU Congress, by Cesar Levano, 7 pp.
SPANISH, per, Unidad, No 100, 17 June, p. 10; No 101, 22 July 1966, p. 3.
JPRS 37513

Peruvian Pro-Soviet Communist Discusses Significance of Term "Urban Left" by Daniel Rice, 5 pp.
SPANISH, per, Unidad, No 101, 22 July 1966, p. 5.
JPRS 37513

Latin America
Political (Contd)

Fifth National Conference of the Peruvian Communist Party, 7 pp.
SPANISH, np, Unidad, 24 Aug 1966, pp. 7 and 8.
JPRS 37676

Latin American Trotskyite Leader Discusses Latest Developments in China, by J. Posadas, 42 pp.
SPANISH, per, Voz Proletaria, Vol XVIII, No 447, 24 June 1966, pp. 2-12.
JPRS 37094

Trotskyite Calls for the Organization of a Single Front in Chile to Topple Capitalism and Its "Spokesman," President Frei, by J. Posadas, 13 pp.
SPANISH, per, Voz Proletaria, Vol 18, No 450, 14 July 1966, pp. 4-6.
JPRS 37070

Military

Paramilitary Forces - National Maritime Prefecture.
SPANISH, rpt, 23 June 1966.
DIA 5 804 0112 66

Some Observations on Medium-Range Planning, by Miguel Alejandro Figueras, 16 pp.
SPANISH, per, Cuba Socialista, July 1966, pp. 41-61.
JPRS 37056

Post of Coastal Guard against Infiltration Is Described, by Guillermo Cabrera, 6 pp.
SPANISH, np, Juventud Rebelde, 18 June 1966, p. 10.
JPRS 37095

Army Training Methods, 7 pp.
SPANISH, per, Voz de Oliva, 3 July 1966, pp. 23-27.
JPRS 37349

Latin America
Geographic

Geographic, Population, Weather, and Vegetation Background Information on Brazil, 165 pp.
PORTUGUESE, per, Boletim Geografico, 1965.
JPRS 37098

The Amazon Basin: A Land of Mystery and Death, by CGH, 5 pp.
SPANISH, per, Cronos, 30 Nov 1964, pp. 5-8.
JPRS 37839

Sociological

Life Among the Indians at Xingu National Park, by Carlos Azevedo, 15 pp.
PORTUGUESE, per, Realidade, Vol 1, No 5, Aug 1966, pp. 37-48.
JPRS 37639

Cuban University Catches Up in Science and Education, by Rector Salvador Vilaseca, 3 pp.
SPANISH, per, Bonemia, 22 July 1966, pp. 30-34.
JPRS 37442

The Twelfth National Congress of the Cuban Workers' Organization, by Evelio Telleria, 7 pp.
SPANISH, per, Bonemia, 5 Aug 1966, pp. 60-62.
JPRS 37442

The Popular Technological Institute, by Rogelio Luis Bravet, 3 pp.
SPANISH, per, Bonemia, 5 Aug 1966, pp. 10-21.
JPRS 37442

Course for Training Fire Fighters, by Rogelio Paris, 5 pp.
SPANISH, per, Cuba, Apr 1966, pp. 35-45.
JPRS 37095

The V. I. Lenin General Hospital --Symbol of Cuban-Soviet Friendship, by Thelvia Marin, 7 pp.
SPANISH, per, Cuba, Comercio Exterior, Nov-Dec 1966, pp. 26-28.
JPRS 37242

New Decrees Regarding Housing, 10 pp.
SPANISH, per, Gaceta Oficial, 22 June 1966, pp. 43, 44, and 49-53.
JPRS 37095

Latin America
Sociological (Contd)

Cuban Regulations on Notaries Public, 5 pp.
SPANISH, per, Gaceta Oficial, 22 June 1966,
pp. 44-47.
JPRS 37095

Preparations under Way for Twelfth Congress
of Cuban Workers Federation, 5 pp.
SPANISH, np, Granma, 16 July 1966, p. 2.
JPRS 37339

Preparations for the 4th Latin American Con-
ference on Education, by Juan Marinello, 5 pp.
SPANISH, per, Granma, 22 and 23 July 1966,
p. 2.
JPRS 37381

Latin American Students Congress Supports
Revolutionary Struggle Everywhere, 6 pp.
SPANISH, np, Granma, 12 August 1966, p. 5.
JPRS 37349

Official Points Out Quantitative and Qualita-
tive Improvement in Cuban Education, by Abel
Prieto Morales, 5 pp.
SPANISH, np, Granma, 15 Aug 1966, p. 2.
JPRS 37575

Cuban Minister of Education Address to
Scholarship Holders Abroad, 7 pp.
SPANISH, np, Granma, 18 Aug 1966, pp. 4.
JPRS 37725

Juventud Rebelde Notice on Notary Publics
Pro Tem, 6 pp.
SPANISH, np, Juventud Rebelde, 18 June 1966,
p. 2.
JPRS 37095

Armando Hart Discusses the Arts As Anti-
Imperialist Tool, by Armando Hart, 14 pp.
SPANISH, per, Juventud Rebelde, 25 June
1966, p. 4.
JPRS 37095

First Ideological Active of Communist Youth
Union of Faculty of Sciences of Havana Uni-
versity, 5 pp.
SPANISH, np, Juventud Rebelde, 5 July 1966,
p. 2.
JPRS 37442

Latin America
Sociological (Contd)

Buba's Victoria de Giron Technical School
of the Sea, by Nelson Notario Castro, 5 pp.
SPANISH, np, Juventud Rebelde, 5 July 1966,
p. 8.
JPRS 37442

Round Table on Education Organized by Cuban
National Committee of Unesco, by Enrique
Gonzalez Manet, 6 pp.
SPANISH, np, El Mundo, 16 July 1966, pp. 1 & 6.
JPRS 37339

A Document on Chilean Socialism, by
Aniceto A. Rodriguez, 10 pp.
SPANISH, per, El Sol, No 311, 8 July 1966,
pp. 4-5 and 7.
JPRS 37126

University--Ministry of Sugar Industry
Agreement, by M. Palacio Blanco and Tomas
Breton, 7 pp.
SPANISH, per, Vida Universitaria, No 186,
Feb 1966, pp. 13-16.
JPRS 37368

Importance of Small Irrigation Projects
Emphasized in Cuba, by Arnaldo Correa, 5 pp.
SPANISH, np, Voluntad Hidraulica, Oct 1964,
pp. 1-4
JPRS 37792

The Errors and Confusion of the Trade Union
Extremists, by Manlio Lafont Herrera, 5 pp.
SPANISH, per, Voz Proletaria, No 131, 23 June
1966, p. 4.
JPRS 37474

The National Labor Plan to Enlist Thousands
of Militants, by Gustavo Castro, 5 pp.
SPANISH, per, Voz Proletaria, No 131, 23 June
1966, p. 15.
JPRS 37474

SCIENTIFIC

Aeronautics

The Calculation of Automatic Control Systems, by B. Z. Zilberman. 16 pp.
RUSSIAN, per, Avotmatyka, Vol 9, No 5, 1964, pp 3-14. P100014066
FTD-TT-65-1852

Determining the Certain Geometric Parameters of Turbine Cascades, by B. M. Aronov.
RUSSIAN, per, Iz Vysch Uchez Zaved, Aviat Tekh, No 4, 1965, pp 109-117.
*FTD-HT-66-535

The Flying Qualities of Helicopters with Hingeless Rotors, by G. Reichert.
GERMAN, rpt, FM 315-0.
R.A.E. Tr No 1147

Power Supply Installations for Future Space-Craft, by Franz Grob, et al.
GERMAN, per, B B C - Nachrichten, Mar 1966, pp 156-172. P921028766
AEC AI-tr-209

Agriculture

Interrelationships of Tree and Shrub Species in Field-Protective Forest Plantations, by A. A. Romanov,
RUSSIAN, per, Agrobiologiya, No 2(116), 1959, pp 252-257.
CFSTI TT 66-51086

Identification of Firs Growing on Sakhalin Island, by A. I. Tolmachev.
RUSSIAN, per, Botan Material Gerbar Botan Inst imeni V. L. Komarova Ak Nauk SSSR, Vol XVI, 1954, pp 29-38.
CFSTI TT 66-51078

Scientific Agriculture (Contd)

The Effect of Gray Alder on Herbaceous Vegetation, by V. A. Smirnova and P. E. Sorogovets,
RUSSIAN, per, Byulleten' Instituta Biologiy za Akademiya Nauk Belorusskoi SSR, No 5, 1960, pp 58-62.
CFSTI TT 66-51091

The Method of Investigation of Root Pressure in Tree Species, by K. N. Rangelov,
RUSSIAN, per, Doklady Bolgarskoi Akademii Nauk SSSR, Vol XIV, No 4, 1961, pp 381-384.
CFSTI TT 66-51092

Influence of the Black Alder on the Productivity of the Canadian Poplar, by G. I. Red'ko,
UKRAINIAN, per, Dopovidi Akademii Nauk Ukrainkoi RSR, No 3, 1958, pp 343-346.
CFSTI TT 66-51093

High Stable Rates of the Development of Agriculture are Goal of New Five-Year Plan, by V. Matskevich, 18 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozaystva, No 5, May 1966, pp. 2-14.
JPRS 37719

Increase of Grain Production A Decisive Factor in the Overall Growth of Agriculture, by I. Khreshchilov, 14 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozaystva, No 5, May 1966, pp. 56-65.
JPRS 37719

Animal Husbandry in the New Five-Year Plan, by M. Lutsenko, 15 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozaystva, No 5, May 1966, pp. 66-76.
JPRS 37719

Methods for a Rise in Labor Productivity in Agriculture, by Professors M. Makymenko and V. Tikhonov, 12 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozaystva, No 5, May 1966, pp. 77-85.
JPRS 37719

The Characters of Phenological Observations in Forest Seed Growing, by F. I. Volkov,
RUSSIAN, per, Izvestiya VUZ Lesnoi Zhurnal, Vol V, No 1, 1962, pp 34-37.
CFSTI TT 66-51101

Scientific
Agriculture (Contd)

The Accuracy of Determining the Diameter of Logs by Means of Volume-Measuring Instruments of the Integrating Type for Longitudinal Flow of the Logs, by A. M. Kilyakov, RUSSIAN, per, Izvestiya VUZ Lesnoi Zhurnal, Vol V, No 2, 1962, pp 152-160.
CFSTI TT 66-51101

Composition of Timber Grades and Technical Maturity of Pine Stands as Affected by Initial Density, by V. F. Lebkov, RUSSIAN, per, Izvestiya VUZ Lesnoi Zhurnal, Vol V, No 5, 1962, pp 37-42.
CFSTI TT 66-51101

The Study of Mycorrhizal Fungi of Wood Species in Pure Culture, by O. A. Nevolin, RUSSIAN, per, Izvestiya VUZ Lesnoi Zhurnal, Vol VI, No 2, 1963, pp 13-21.
CFSTI TT 66-51101

Progress in the Chemization of Agriculture and Industry, by V. Bibishev, 8 pp. RUSSIAN, per, Kommunist Vooruzheniya Sil, No 12, June 1966, pp. 54-60.
JPRS 37621

The Use of Mycorrhiza at Plantings of Oak Acorns Under the Arid Conditions of the Saratov Region, by I. V. Krasovskaya and A. D. Smirnova, RUSSIAN, per, Les i Step', Vol II, No 2, 1950, pp 29-37.
CFSTI TT 66-51081

The Expansion of the Cultivation of the Tulip Tree, by O. T. Istratova, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 3, 1962, pp 27-28.
CFSTI TT 66-51103

Root Grafting in Nest Sowings of Pine Under Forest Zone Conditions, by N. V. Podzorov, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 6, 1962, pp 54-56.
CFSTI TT 66-51103

Fertilizer Applications by Foliar Sprays to Conifer Seedlings, by V. K. Asanova, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 7, 1962, pp 32-34.
CFSTI TT 66-51103

Scientific
Agriculture (Contd)

The Effect of Density Upon Current Increment of Pine Stands, by V. V. Zagreyev, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 9, 1962, pp 42-47.
CFSTI TT 66-51103

Fertilizer Applications by Foliar Sprays to Seedlings and Young Forest Plantations, by A. V. Savina, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 10, 1962, pp 36-37.
CFSTI TT 66-51103

Pretreatment of Conifer Seeds by Ultra-Violet and Solar Radiation, by V. V. Gribkov, RUSSIAN, per, Lesnoe Khozyaystvo, Vol XV, No 11, 1962, pp 36-38.
CFSTI TT 66-51103

Underground Water Conservation in the Kuban Territory, by V. Pal'man, 6 pp. RUSSIAN, np, Literaturnaya Gazeta, 27 Aug 1966, pp. 2.
JPRS 37846

Increased Yield of Crops through the Use of Herbicides and Pesticides, by G. Vilesov, Yu. Geyd, A. Kirsanov, V. Mamon, and A. Kuznetsov, 5 pp. RUSSIAN, np, Pravda Ukrainy, 9 July 1966, p. 2.
JPRS 37621

Field-Protective Afforestation and the Increase in Financial Yield of Agriculture, by A. A. Komlev, RUSSIAN, per, Sel'skoe Khozyaystvo Povolzh'ya, Vol VI, No 12, 1960, pp 43-45.
CFSTI TT 66-51094

Forest Shelterbelts from the Viewpoint of Economic Effectiveness, by L. T. Ustinovskaya, RUSSIAN, per, Vestnik Sel'skokhozyaystvennoi Nauki, No 11, 1959, pp 98-102.
CFSTI TT 66-51089

Effect of Forest Belts on the Fertility of Solonchaks-Like Chestnut Soils, by L. T. Zemlyanitskiy, RUSSIAN, per, Vestnik Sel'skokhozyaystvennoi Nauki, Vol IV, No 12, 1959, pp 65-70.
CFSTI TT 66-51087

Scientific
Agriculture (Contd)

Agriculture in the Virgin Land Regions of the Soviet Union, by Academician P. P. Lobanov, 21 pp.
RUSSIAN, per, Vestnik sel'skokhozyaystvennoy nauki, No 5, 1966, pp. 11-22.
JPRS 37547

The Development of Agriculture and Tasks of Agricultural Statistics, by V. Manyakin, 15 pp.
RUSSIAN, per, Vestnik Statistiki, No 7, 1966, pp. 3-15.
JPRS 37547

Fertilizer Experiments of Ammonium Chloride, by Hsieh Chien-ch'ang, Hu Tzu-kuang and Chou Chi-k'un, 11 pp.
CHINESE, per, T'u-jang Chuan-pao, No 33, July 1958, pp. 91-98.
JPRS 37592

Agriculture and Veterinary Science in the Democratic Republic of North Vietnam, by Dr. G. Meisinger, 23 pp.
GERMAN, per, Monatshefte fuer Veterinaermedizin, Vol XXI, No 10, 15 May 1966, pp. 361-366, No 12, 15 June 1966, pp. 449-452, No 13, 1 July 1966, pp. 491-497.
JPRS 37539

Investigation into Mycotrophy in the Pine Association, Starzenina Forest District, by T. Dominik, T. Madej.
POLISH, per, Prace Instytutu Badawczego Lesnictwa, No 259, 1963, pp 61-69.
CFSTI TT 65-50357

Astronomy & Astrophysics

Study of Lack of Magnetic Field on Moon, by V. Lebedev, 5 pp.
RUSSIAN, per, Aviatsiya i Kosmonavtika, No 7, 1966, pp. 28-30.
JPRS 37307

Astronomical Determinations, by Z. N. Chumachenko, 17 pp.
RUSSIAN, bk, Instruktsiya o postroyeni gosudarstvennoy geodesicheskoy seti SSSR, 1966, pp. 51-65.
JPRS 37821

Scientific
Astronomy & Astrophysics (Contd)

Refinement of the Calculation of Forbidden Spectral Lines, by A. P. Yutsis and Ya. I. Vizbaraite,
RUSSIAN, per, Vilniaus Valstybinio Universiteto Astronomijo Observatorijo Biuletenis, No 2, 1960, pp 3-6. 100007066
AFCRL T-R-504

Astronomical Observations in the Field, 89 pp.
FRENCH, rpt, Determinations Astronomiques en Campagne.
ACSI J-0331
ID 2204037566

New Methods of Celestial Mechanics, Vol III. Integral Invariants. Periodic Solutions of the Second Order. Dual Asymptotic Solutions. by H. Poincare.
FRENCH, rpt, Les Methodes Nouvelles de la Mecanique Celeste. Tome III. Invariants Integraux, Solutions Periodiques du Deuxieme Genre. Solutions Doublement Asymptotiques.
1957, 414. pp.
*NASA TT F-452

Atmospheric Sciences

Atlas of Cyclone and Anticyclone Baric Characteristics, by N. A. Bulinskaya, 44 pp.
RUSSIAN, rpt, 1963, pp 1-194.
DIA LN 461-66

Extrapolation of Experimental Thermal Data to the High Pressure Region, by I. Kh. Kipnis.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal, Vol 10, Mar. 1966, pp 374-381.
*NASA TT F-10,386

On the Propagation of Strong Radiowaves in the Ionosphere, by E. I. Ginzburg.
RUSSIAN, per, Iz Vysch Ucheb Zaved, Vol VII, No 6, 1964, pp 1041-1048.
Dept of Navy 4823/NPL/JRU TG 230-T484

Natural Radioactivity in the Biosphere, by L. A. Pertsev,
RUSSIAN, bk, Prirodnaya Radioaktivnost Biosfery, 1964, 315 pp.
*AEC 115-68

Scientific
Atmospheric Sciences (Contd)

Radioactive Isotopes in the Atmosphere and Their Use in Meteorology, by I. L. Karol, et al.
RUSSIAN, rpt, Radioaktivnye Izotopy v Atmosfere i ikh Ispol'zovanie v Meteorologii. Nauchnaya Konferentsiya po Yadernoi Meteorologii, Obninsk, 3-6 Feb 1964, 1965, 591 pp.
*AEC 115-47

The Structure of Atmospheric Turbulence, by A. S. Monin, 39 pp.
RUSSIAN, per, Teoriya Veroyatnostey i yeye Primeneniya, Vol 3, Issue 3, 1958, pp. 285 - 317.
JPRS 37855

Experience in Regular Application of Methods of Artificial Scattering of Supercooled Clouds and Fogs Over Airfields, by I. I. Gayvoronskiy, B. N. Leskov, and Yu. A. Seregin, 9 pp.
RUSSIAN, per, Trudy Tsentral'noy Aerologicheskoy Observatorii, No 65, 1965, pp 3-8.
JPRS 37551

On the Use of Particles with a High Specific Surface for Creating an Effect on Clouds and Fogs, by N. O. Plaudé and A. D. Solov'yev, 24 pp.
RUSSIAN, per, Trudy Tsentral'noy Aerologicheskoy Observatorii, No 65, 1965, pp. 30-47.
JPRS 37551

On the Introduction of Reagents into Clouds When Creating an Effect on Hail Processes, by I.I. Gayvoronskiy and Yu. A. Seregin, 25 pp.
RUSSIAN, per, Trudy Tsentral'noy Aerologicheskoy Observatorii, No 65, 1965, pp. 48-66.
JPRS 37551

The Problem of Using Measurements of Outgoing Radiation in Computing the Temperature of the Earth's Surface and the Height of the Upper Cloud Boundary, by V. G. Boldyrev, 7 pp.
RUSSIAN, per, Voprosy Sputnikovoy Meteorologii Trudy Mirovoy Meteorologicheskoy Tsentr -- Vypusk 8, Glavnoye Upravleniye Gidrometeorologicheskoy Sluzhby pri Sovete Ministrov SSSR, 1965, pp 68-75.
ACSI J-0454
ID 2204041066

Preparation of Ozone From Humid Air by I. I. Stavnitser.
RUSSIAN, Patent No 169083, 25 May 1963.
*FTD HT-66-623

Scientific
Atmospheric Sciences (Contd)

Turbulence Associated With Temperature Stratification of the Atmosphere Near the Ground, by Pak Pei-Mien. 27 pp.
CHINESE, per, Ch'i Hsiang Hsueh Pao, Vol 34, No 2, 1964, pp 211-224. P100032066
FTD-TT-65-608

A Linear Theory of the Structure of the Wing Back Clouds in Super Critical Currents, by Wu Ch'in-yueh (0702 2953 1471), 8 pp.
CHINESE, per, Chung-kuo K'o-hsueh Chi-shu Ta-hsueh Hsueh-pao, Vol 1, No 1, Feb 1965, pp. 192-195.
JPRS 37468

Reconstitution of Re-Entry into the Atmosphere of a Missile, Based on Data Measured in Flight by J. Bouttes.
FRENCH, rpt O.N.E.R.A. Colloque International de Techniques de Calcul Analogique et Numerique en Aeronautique, 9-12 September 1963. P910038965
NASA TT F-9382

Some Effects to be Considered in Measuring the Ionospheric Faraday Effect, by G. Hartmann.
GERMAN, per, Archiv der Elektrischen Uber, Vol XX, No 5, 1966, pp 294-298.
Dept of Navy 4824/APL/JHU T-1874

The Problem of Artificial Rainmaking, by L. Aujeszy and G. Kontur, 52 pp.
GERMAN, rpt, Report of the Hannover Technical University, Vol XXVI, 1966, pp 61-130.
DIA LN 552-66

An Automatic Data Collecting and Transmitting System for Meteorological Purposes, by G. Gerth, W. Hohne.
GERMAN, per, Zeit fur Meteorologie, Vol XVIII, No 3/4, 1965, pp 132-141.
Dept of Navy Tr 4922/ONI 2171

Radiation Balance of the Earth-Atmosphere System and the Atmosphere over East Asia, by Tso Ta-K'ang, et al.
JAPANESE, per, Acta Geografica Sinica, Vol XXXI, No 2, 1965, pp 100-112.
RAND-LT-66-51

Balance of Long-Wave Radiation in the Cloudless Troposphere over East Asia, by Li Yu-hai.
JAPANESE, per, Acta Geografica Sinica, Vol XXXI, No 2, 1965, pp 113-128.
RAND-LT-66-52

Scientific
Behavioral & Social Sciences

Self Control, Self Correction, and Self Repair as Means for Increasing the Reliability of Complex Discrete Devices, by A. N. Radchenko.
RUSSIAN, bk, Akad Nauk SSSR Institut Elektromekhaniki Avtomatika Telemekhanika i Priborostroyeniye, 1964, pp 241-256.
*FTD-HT-66-597

Accounting Scientific-Technical Documentation as a Basis of Fulfilling Reference-Information Funds, by A.A. Prihod'ko. 14 pp.
RUSSIAN, rpt, Vsesoyuznyy Institut Nauchnoy i Tekhnicheskoy Informatsii. Sozdaniye i Ispol'zovaniye Tsentral'nogo Otrastlevogo Spravochno-Informatsionnogo Fonda' Materialy Nauchno-Tekhnicheskogo Soveshchaniya, Moskva, 1964, pp 55-59.
PI00012266
FTD-TT-65-1291

Czechoslovak Scientist Reflects on the Future of Science and Mankind, by E. Kol'man, 10 pp.
RUSSIAN, per, Priroda, No 4, 1966, pp. 10-17.
JPRS 37484

Survey of Methods for Separating Two Normal Distributions, by W. Molenaar, 19 pp.
DUTCH, per, Statistica Neerlandica, Vol XIX, No 4, 1965.
Dept of Navy Tr 4812/ONI Tr 2203

Compilation of Thesauruses, by H. Buntrock, DUTCH, rpt, Wissenschaftlicher Referent, Euratom CCR, Holland
*AEC-ORNL-115-13

Submarine Personnel; Training Program of. FRENCH, rpt, June 66.
DIA 5 832 0161 66

Scientific
Biological & Medical Sciences

The Effect of Unithiol on the Functional Properties of the Kidneys, by A. G. Glukharev. 4p.
RUSSIAN, rpt, pp 87-89.
Dept of Navy 4844/NMS 1089

Improved Quality of Drugs, by M. A. Kluev. 14p.
RUSSIAN, rpt, pp 3-8.
Dept of Navy 4849/NMS 1094

Research in Bionics.
RUSSIAN, per, Akademiya Nauk Ukrainskoy, 1965.
*FTD-HT-66-601

Combined Therapy with Antibiotics and Sulfodimesin in Experimental Melioidosis, by L. E. Khundanov et al.
RUSSIAN, per, Antitiot., Vol 6, 1961, pp 1013-1016.
*Dept of Navy/NMS

Scientific Research in the Field of Pharmacy for the Period 1966-1970, by P. L. Serov. 17p.
RUSSIAN, per, Aptech. Delo, Vol 13, 1964, pp 3-9.
Dept of Navy 4846/NMS 1091

Experience with Students Working Towards a Diploma in the School of Pharmacy at the Leningrad Chemico-Pharmaceutical Institute, by A. M. Khaletskiy. 15p.
RUSSIAN, per, Aptech. Delo, Vol 13, Nov. Dec. 1964, pp 49-53.
Dept of Navy 4841/NMS 1086

Experience in Correspondence Training of Pharmacists, by S. G. Shoeva et al.
RUSSIAN, per, Aptech. Delo, Vol 13, 1964, pp 53-56.
Dept of Navy 4857/NMS 1102

Further Improvement in the Preparation of Pharmacists, by Z. M. Umanskiy. 8p.
RUSSIAN, per, Aptech. Delo, Vol 13, July, Aug. 1964, pp 51-54.
Dept of Navy 4848/NMS 1093

Automation and Telemetry in Space Medicine, by A. Kalinovskiy, 6 pp.
RUSSIAN, per, Aviatsiya i Kosmonavtika, No 7, 1966, pp. 17-19.
JPRS 37307

Scientific
Biological & Medical Sciences (Contd)

Radiobiology and Cosmic Research, by A. Kuzin, 7 pp.
RUSSIAN, per, Aviatsiya i Kosmonavtika, No 8, Aug 1966, pp. 35-41.
JPRS 37830

Species Specificity of Soluble Ribonucleic Acids and Amino-Acyl-Ribonucleic Acid Synthesis, by G. N. Zaitseva et al. 15p.
RUSSIAN, per, Biokhimiya, Vol 29, 1964, pp 1150-1157.
Dept of Navy 4833/NMS 1078

Effect of Ascorbic Acid on the Activity of Salivary and Intestinal Glands in Conditions of Anoxia, by S. I. Filippovich. 8 pp.
RUSSIAN, per, Byulleten' Eksperimental'noy Biologii i Meditsiny, No 8, 1948, pp 99-102.
PI00051666
FTD-TT-65-1646

Effect of Vitamin B₁ on the Activity of Salivary and Intestinal Glands in Anoxia Conditions, by S. I. Filippovich. 6 pp.
RUSSIAN, per, Byulleten' Eksperimental'noy Biologii i Meditsiny, No 11, 1948, pp 387-389.
PI00051266
FTD-TT-65-1647

Homotransplants of Bone, Preserved in the Vishnevsky Ointment, by I. G. Isaakian et al. 5p.
RUSSIAN, per, Eksperim. Khir i Anestez., 11 th year, No 2, March-April, 1966, pp 39-40.
Dept of Navy 4866/NMS 1111

Spongy Synthetic Alloplast Porolon as Material for Filling Bone Cavities, by N. V. Gorelova. 4p.
RUSSIAN, per, Exper. Khir. i Anest., Vol I, Jan. Feb. 1966, pp 7-8.
Dept of Navy 4831/NMS 1115

Electrophysiological Investigations of the Retina, by A. L. Byzov, 37 pp.
RUSSIAN, bk, Elektrofiziologicheskiye Issledovaniya Setchatki, 1966, pp. 5-8, 148-178, 179-180, 195-196.
JPRS 37309

Electron Microscopy of Biological Macromolecules, by N. A. Kiselev, 25 pp.
RUSSIAN, bk, Elektronnaya Mikroskopiya Biologicheskikh Makromolekul, 1965, pp. 5-13, 120-130, 147.
JPRS 36944

Scientific
Biological & Medical Sciences (Contd)

Pharmacology A Handbook for Veterinary Physicians, by I. Ye. Nozgov. 1106 pp.
RUSSIAN, bk, Farmakologiya Rukovodstvo Dlya Veterinarnykh Vrachey, Moskva, 1961, 584 pp.
PI00063366-V
FTD-TT-65-974

Phase Analysis of Cardiac Activity, 240 pp.
RUSSIAN, bk, Fazovyy Analiz Serdechnoy Deyatel'nosti, 1965, pp. 1-276.
JPRS 37555

Electrocardiographic Changes on Rabbits Under the Effect of Elevated Atmospheric Pressure, by A. S. Solodkov.
RUSSIAN, per, Gigiena i Sanit., Vol 30, No 2, 1965, pp 106-109.
*Dept of Navy/NMS

Immune Gamma Globulins in the Treatment and Prophylaxis of Infectious Diseases, by L. Bogdanov, 11 pp.
RUSSIAN, rpt, Imunnyye Gamma-Globuliny v Terapii i Profilaktike Infektsionnykh Bolezney, 1965.
JPRS 37101

Thermal Insulation of Plasma in Tokamak, by L. A. Artsimovich, et al.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement Held in Princeton, N. J. Jul 11 to 15, 1966.
*AEC WATT-tr-35

Medical Science in the USSR, by B. Petrovskiy.
RUSSIAN, nps, Izvestiya, 30, July 1966.
J. Woroncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

Nature of Enzymic Activity of Lysozyme, by E. D. Kaverzneva et al.
RUSSIAN, per, Izvest. Akad. Nauk, No 4, 1961.
*Dept of Navy/NMS

Scientific Activity of the Institutions of the Department of Biological Sciences, by A. D. Dznangaliyev, 16 pp.
RUSSIAN, per, Izvestiya Akademii nauk Kazakhskoy SSR, Seriya biologicheskaya, No 3, Mar 1966, pp. 3-12.
JPRS 37436

Scientific
Biological & Medical Sciences (Contd)

Cybernetic Predicting Devices, by A. G. Ivakhenko, V. G. Lapa, 256 pp.
RUSSIAN, bk, Kiberneticheskiye Predskaz-
yvayushchiye Ustroystva, Kiev, 1965,
pp 1-214.
JPRS 37,803

Medical Studies on the Cosmic Spacecrafts
"Vostok" and "Voskhod", by O. Gzenko
RUSSIAN, rpt, Komissiya po Issledovaniyu i
Osvoyeniye Kosmicheskogo Prostranstva,
1964, pp 1-38. P910038464
NASA TT F-9207

Coordination of Motor and Vegetative Func-
tions in Man during Muscular Activity,
by Yu. I. Dan'kov, N. V. Zimkin, K. M.
Smirnov, 35 pp.
RUSSIAN, per, Koordinatsiya Dvigatel'nykh i
Vegetativnykh Funktsiy Pri Myshechnoy
Deyatel'nosti Cheloveka, 1965.
JPRS 37103

Second All-Union Conference on Aerospace Medi-
cine, 15 pp.
RUSSIAN, per, Meditsinskaya Gazeta, Vol XXIX,
No 55 (2530) July 1966, p. 3.
JPRS 37524

The Development of Production of Prepared
Medicinals in 1966-1970, by V. P. Labzin,
5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 3-6.
JPRS 37956

The Tricyclic Series Antidepressants,
by V. G. Yashunskiy, 16 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR,
No 6, 1966, pp 7-17.
JPRS 37956

Synthesis and Properties of Nigram-Nalidixic
Acid, by K. D. Demidova, V. V. Kazakova, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 18-21.
JPRS 37956

Physico-Technical Basis for the Pulmophonographic
Method of Examination, by L. I. Nemerovskiy, 8 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No. 6,
1966, pp 22-27.
JPRS 37956

Scientific
Biological & Medical Science (Contd)

The Condition of Peak Currents in Transistor
Amplifiers of Electronic Medical Apparatus,
by G. V. Il'inskiy, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 29-31.
JPRS 37956

The Service Life of Hypodermic Syringes of
the Rekord Type, by N. A. Klyuyev, Ye. P.
Danil'chenko, 7 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 32-35.
JPRS 37956

Steroids. XXX. Conversion of the Acetate of
Reichstein's Substance "S" into EPI-F Using
Absidia Sp. No 220, by L. V. Sokolova, T. I.
Grinyuk, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 36-38.
JPRS 37956

Steroids. XXXI. The Sorption Method Isolation
of the Substance EPI-F from a Cultural Liquid,
by Z. V. Kalinkina, M. A. Romanchuk, 7 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 39-42.
JPRS 37956

Procedures for Intensification of the Process of
Extraction Under Periodic Conditions, by G. K.
Goncharenko, Ye. I. Orlova, 6 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 43-46.
JPRS 37956

A Method for Purification of the Aldehyde
of -C₁₄ -- The Intermediate Product in
Synthesis of Vitamin A, L. Ye. Burova,
M. Ts. Yanotovskiy, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6
1966, pp 47-48.
JPRS 37957

A Method of Analysis of Quinoline in the Presence of
Isoquinoline, by N. M. Nazur, V. A. Devyatnin,
5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 50-52.
JPRS 37958

A New Technical Guidebook -- Heat Treatment of
Metals for Medical Instruments, by N. F. Belavin,
V. G. Shakhmatov, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6,
1966, pp 53-54.
JPRS 37958

Scientific
Biological & Medical Science (Contd)

New Foreign Preparations, by A. G. Serebryanaya, 5 pp.
RUSSIAN, per, Meditsinskaya Prom SSSR, No 6, 1966, pp 59-61.
JPRS 37958

Planning and Coordinating Scientific Research in Medical Radiology and Roentgenology, by V. F. Cherkasov, Yu. G. Yelashov, P. P. Filatov, A. K. Chernyakhovskaya, 8 pp.
RUSSIAN, per, Meditsinskaya Radiologiya, Vol XI, No 6, June 1966, pp. 79-82.
JPRS 37486

Trace Elements in Experimental and Clinical Medicine, by Georgiy Avksent'yevich Babenko, 20 pp.
RUSSIAN, bk, Mikroelementy v Eksperimental'noy i Klinicheskoy Meditsine, pp. 3-6, 7-18, 84-92, 182-183.
JPRS 37590

Morphological Features of Aquatic Mammals, 115 pp.
RUSSIAN, per, Morfologicheskiye osobennosti vodnykh mlekopitavushchikh, 1964, pp. 1-128.
JPRS 37490

The Structure of the Population of Toothed Cetaceans (Odontoceti), by V. M. Bel'kovich and A. V. Yablokov, 7 pp.
RUSSIAN, bk, Morskkiye mlekopitavushchiye, 1964, pp. 65-69.
JPRS 37431

Certain Trends in Space Medicine, by V. V. Parin.
RUSSIAN, rpt, Nauka i Chelovechestvo, 1965, pp 302-311.
J. Woruncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

Evolutionary Role of Division into Two Sexes (Cybernetic Viewpoint), by V. Geodakyan, 16 pp.
RUSSIAN, per, Nauka i Zhizn', No 3, 1966, pp. 99-105.
JPRS 37164

Monies -- Its Status and Trends in Its Development, by A. Berg and B. Setchov, 27 pp.
RUSSIAN, per, Nauka i Zhizn', No 6, Jan 1966, pp. 2-12.
JPRS 37592

Scientific
Biological & Medical Science (Contd)

Textbook for Pharmaceutical Institutes, by M. M. Lytvynenko, et al.
RUSSIAN, per, Organizatsiya Farmatsevtichnoyi Spravy Kiev, Derzhmedvydav, URSR, 62.
*FTD-HT-66-599

Bone Homografts in Treatment of Certain Bone Tumors, by I. L. Krupko et al. 9p.
RUSSIAN, per, Orthop. Travmatol i Protezirov, Vol 12, 1965, pp 3-7.
Dept of Navy 4867/MS 1112

Pathology, Clinical Treatment of Experimentally Produced Radiation Effects (spleen Shielding), by B. A. Lapin, et al,
RUSSIAN, rpt, Patogenez, Klinika i Lechenie Ostroi Luchevoi Bolezni v Opytakh na Obezysnakh (Materialy Vsesoyuznogo Simposiума), 1964, 76 pp.
*AEC 115-55

Normal Standards of the Sphygmogram and the Pulse Wave Velocity in Peripheral Blood Vessels, by M. A. Abrikosova, V. L. Karpman.
RUSSIAN, per, Patologicheskaya Fiziologiya i Eksperim Tal'naya Terapiya, Vol III, No 6, 1959, pp 47-53. P910038065
NASA TT F-9578

Oxygen Dynamics in Blood and Cerebral Tissues at Altitude Under Excessive Pressure, by I. N. Cherniakov et al. . .
RUSSIAN, per, Rat. Fis. i Eksper. Terap., Vol 9, No 2, 1965, pp 18-23.
*Dept of Navy/MS

A Study of Toxic and Serological Shifts in the Blood of Burned Animals, by A. N. Shokanbayev, 7 pp.
RUSSIAN, per, Patologicheskaya fiziologiya i eksperimental'naya terapiya, Vol 10, No 1, Jan-Feb 1966, pp. 32-35.
JPRS 37291

Renal Lesions in Breast-Fed Infants With Cytomegalia, by E. I. Semanova.
RUSSIAN, per, Ped., Vol 43, 1964, pp 32-35.
*Dept of Navy/MS

Sleep and Electric Sleep in Children, by L. Ya. Rabichev, 6 pp.
RUSSIAN, per, Pediatrics, Vol XLV, No 6, June 1966, pp. 7-10.
JPRS 37218

Scientific
Biological & Medical Science (Contd)

Biochemical and Enzymatic Activity of Pinetum Litter, by V. P. Kornev,
RUSSIAN, per, Pochvovedenie, No 11, 1962,
pp 109-114.
CFSTI TT 66-51088

Present and Future Development of the Hematogenic Service in the USSR, by G. F. Papko,
8 pp.
RUSSIAN, per, Problemy gematologii i perelivaniya krovi, Vol. XI, No 5, May 1966, pp. 1-8.
JPRS 37797

Present Status of the Problem of Blood Substitutes, by Professor P. S. Vasil'yev and V. V. Susdaleva, 10 pp.
RUSSIAN, per, Problemy Gematologii i Perelivaniya Krovi, Vol XI, No 7, Jul 1966, pp. 3-9.
JPRS 37702

Mechanism of the Detoxifying Action of Polyvinylpyrrolidone in Burns and Food Toxicoinfections, by N. M. Gyl'badamova, P.S. Vasil'yev and V. V. Susdaleva, 5 pp.
RUSSIAN, per, Problemy Gematologii i Perelivaniya Krovi, Vol XI, No 7, Jul 1966, pp. 19-23.
JPRS 37702

Some Aspects of the Problem of Parenteral Feeding, by Yu. N. Kramer and A. A. Shmidt, 7 pp.
RUSSIAN, per, Problemy Gematologii i Perelivaniya Krovi, Vol XI, No 7, Jul 1966, pp. 26-32.
JPRS 37702

Skin Tuberculin Sensitivity in Patients with Pulmonary Tuberculosis During Antibacterial Therapy, by S. P. Gefter et al.
RUSSIAN, per, Probl. Tuberk, 1963, pp 34-37.
*Dept of Navy/NMS

Bronchoscopy in Clinical Treatment of Minor Forms of Tuberculosis, by V. V. Malov. 12p.
RUSSIAN, per, Probl. Tuberk., Vol 42, 1964, pp 20-26.
Dept of Navy 4856/NMS 1101

Obtaining of Haploids as a Necessary Stage in the Study of Polyploid Yeasts, by S. G. Inge-Vechtomov.
RUSSIAN, rpt, Proceedings of the Conf. Jan 14-18, 1963, Academy of Sciences of the USSR, Inst. of Cytology, Komarov Botanical Institute, Moscow Society of Naturalists, 1965, pp 143-146.
*AEC ORNL-tr-1395

Scientific
Biological & Medical Science (Contd)

The Spread of an Injury in Somatic Muscle Fibers, by D. L. Rozental' and S. N. Aleksandrov, 12 pp.
RUSSIAN, pamphlet, Rasprostraneniye povrezhdeniya v somaticheskikh myshechnykh voloknakh, 1965, pp. 105-117 and 127.
JPRS 37487

All-Union Scientific-Research Institute of Medicinal and Aromatic Plants, by I. A. Gubanov and P. T. Kondramenko, 16 pp.
RUSSIAN, per, Rastitel'nyye Resursy, Vol 2, No 1, 1966, pp. 131-138
JPRS 37805

Biological Reports of the Soviet Antarctic Expedition (1955-1958), by A. P. Andriyashev.
RUSSIAN, bk, Rezultaty Biologii Issled Sovet Antarkt Eksped (1955-1958), Moscow-Leningrad, 1962.
CFSTI TT 66-51061

Improve Horse Breeding, by G. Nechiporenko, 5 pp.
RUSSIAN, mp, Sel'skaya Zhizn', 10 Aug 1966, pp. 2.
JPRS 37542

Dreams during Normal Sleep and during Hypnosis, by I. Ye. Vol'pert, 321 pp.
RUSSIAN, bk, Snovideniya v obychnom sne i gipnoze, 1966, pp. 2-274.
JPRS 37217

Training Highly-Qualified Physicians, by Kh. Vakhter, 5 pp.
RUSSIAN, mp, Sovetskaya Estoniya, 11 June 1966, p. 2.
JPRS 37347

The Role of Nervous Excitation in the Formation of Dental Caries, by A.E. Sharpenak, V.R. Bobyleva. 7 pp.
RUSSIAN, per, Stomatologiya, Vol 7, No 3, 1963, pp 7-10. P100027166
FTD-TT-65-968

The Problem of Malignant Degeneration of the Epithelial Lining of Odontogenic Cysts, by I. I. Ermolaev, N. A. Plotnikov. 7p.
RUSSIAN, per, Stomatologiya, Vol 2, 1966 pp 49-52.
Dept of Navy 4832/NMS 1116

Scientific
Biological & Medical Science (Contd)

Theory of Large Systems in Technical Cybernetics, by V. N. Burkov, G. V. Voronin, L. M. Dronfort, S. G. Oradovskaya, V. B. Sokolov, L. M. Timofeyeva, and Yu. I. Shmukler, 57 pp.
RUSSIAN, bk, Tekhnicheskaya Kibernetika, 1965, pp. 287-325.
JPRS 37077

Administration of Polyglucin (Dextran) in the Treatment of Ederatous States, by O. M. Yeliseyev, 12 pp.
RUSSIAN, per, Terapevticheskiy Arkhiv, June 1966, V. 38, No 6, pp. 96-102.
JPRS 37373

Toxicology of rare Earths, by Z. I. Izrealson,
RUSSIAN, bk, Toksikologiya Redkikh Metallov, 1963, 335 pp.
*AEC 115-43

Transplant Immunity and Radiation Chimera, by R. Petrov and Yu. Zaretskaya, 21 pp.
RUSSIAN, bk, Transplantatsionnyy Immunitet i Radiatsionnyye Khimery, 1965, pp. 3-6, 217-223, 224-229, 230-231.
JPRS 37417

Biology of Antibiotic-Producing Actinomycetes, by N. A. Krasil'nikov, et al,
RUSSIAN, bk, Trudy Instituta Mikrobiologii, Akademiya Nauk SSSR, 1966, 322 pp.
JPST 1292

Creativity and Cybernetics, by Yu. A. Filip'yev.
RUSSIAN, bk, Tvorchestvo i Kibernetika, 1964, pp 1-79.
*FTD-MT-66-53

Bibliography on Bioastronautic Medicine: XV International Congress of Aerospace Medicine, Prague 26 Sep - 1 Oct 1966, by L. I. Borev and E. M. Pavlov,
RUSSIAN, bk, Ukazatel' Literatury Aviakosmicheskaya Meditsina Bioastrautika, Moscow 1966, pp 1-105.
*JPRS/DC-12693

Silicon in Dermatology and Cosmetics, by M. T. Aliushin. 7p.
RUSSIAN, per, Vest. Derm., Vol 38, 1964, pp 36-39.
Dept of Navy 4837/NMS 1082

Scientific
Biological & Medical Science (Contd)"

Direction of Scientific Research in the Field of Occupational Dermatology in the Next Five Years (1966-1970), by A. P. Dolgov, A. A. Studnitsin and N. M. Turanov, 6 pp.
RUSSIAN, per, Vestnik Dermatologii i Venerologii, No 3, 1966, pp. 3-7.
JPRS 36925

Role of Disturbances of Carbohydrate Metabolism and Vitamin B₁ and Manganese Therapy in Psoriasis, by Z. H. Gude and T. T. Glukhen'kiy, 5 pp.
RUSSIAN, per, Vestnik Dermatologii i Venerologii, No 3, 1966, pp. 23-26.
JPRS 36925

The Use of External Supporting Bandages, Combined With Proteolytic Ferments, in the Treatment of Fractures of the Lower Jaw, by K. R. Sarkisov et al.
RUSSIAN, per, Vestnik Khir. (Imeni I.I. Grekova) Vol 96, No 4, April 1966.
*Dept of Navy/NMS

Reversion to Protrophism in Yeasts Requiring Adenine, by S. G. Inge-Vechtomov.
RUSSIAN, per, Vestnik Leningrad Skogo Univ. Seriya Biologii, No 9, 1964, pp 112-117.
*AEC ORNL-tr-1296

Changes in the Peripheral Division Analyzer in Acute Radiation Sickness, by M. Ya. Kozlov.
RUSSIAN, per, Vestnik Oto-Rino-Laringologii, Vol XX, No 2, 1958, pp 29-35.
*NASA TT F-10,361

Variability of Bacillus Anthracis in Natural Conditions, by Aspirant I. N. Premov, 11 pp.
RUSSIAN, per, Veterinariya, Vol 43, No 7, Jul 1966, pp. 23-29.
JPRS 37689

The Influence of Electromagnetic and Magnetic Fields on the Central Nervous System, by Yu. A. Kholodov, 22 pp.
RUSSIAN, rpt, Vliyaniye Elektromagnitnykh i Magnitnykh Poley na Tsentral'nyu Nervnyu Sistem, 1966.
JPRS 37102

Problems in Experimental Surgery and Morphology, by G. Ye. Ostroverkhov, 18 pp.
RUSSIAN, rpt, Voprosy Eksperimental'noy Khirurgii i Morfologii, 1965, pp. 3-10, 68-74.
JPRS 37104

Scientific
Biological & Medical Science (Contd)

Exostosis Causing Compression of Spinal Cord, by R. F. Goncharova et al. 3p.
RUSSIAN, per, Vop. Neirokhir., Vol 29, 1965, pp 60-61.
Dept of Navy 4840/MMS 1085

All-Union Congress of Physio- and Health-Resort Therapists, by G. A. Nevrayev and V. T. Olefirenko, 5 pp.
RUSSIAN, per, Voprosy kurortologii fizioterapii i lechnoy fizicheskoy kul'tury, Vol 31, No 1, 1966, pp. 89-90.
JPRS 37405

Cybernetics and Integrative Brain Activity, by P. K. Anokhin, 26 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol XII, No 3, May/June 1966, pp. 10-32.
JPRS 37416

Heredity, Environment, Brain and Problem-Solving, by D. Krech, 5 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol XII, No 3, May/June 1966, pp. 39-43.
JPRS 37416

Some Data on Electrical Activity of the Deep Structures of the Brain When Studying the Immediate Memory, by N. P. Bekitereva and A. I. Trokhachev, 6 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol XII, No 3, May/June 1966, pp. 44-48.
JPRS 37416

Discussion of the Book "Problems of Social Psychology", by V. Aseyev and O. Zotova, 6 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol XII, No 3, May/June 1966, pp. 134-138.
JPRS 37416

Level of Radioactivity in World, by I. Sakharov, 5 pp.
RUSSIAN, per, Voennoye Znanie, No 7, 1966, pp. 30.
JPRS 37562

Experience with the Use of Fluorescent Sera for Dysentery Diagnosis, by V. I. Egorov. 1p.
RUSSIAN, per, Zh. Mikrobiol. Epid. i Immunobiol., Vol 40, No 11, 1963, pp 146.
Dept of Navy 4859/MMS 1104

Scientific
Biological & Medical Science (Contd)

Determination of Physical Parameters of Viral Aerosols, by A. I. Gromko, I. Ya. Vlasenko and I. I. Terskikh, 8 pp.
RUSSIAN, per, Zhurnal Mik Epidemi i Immunio, No 6, 1966, pp. 83-88.
JPRS 37351

Study of Immunogenesis in Immunization with Live Associated Vaccines, by Ye. A. Gabina and M. I. Chernysheva, 6 pp.
RUSSIAN, per, Zhurnal mikrobiologii, epidemiologii i immunobiologii, No 6, 1966, pp. 117-120.
JPRS 37351

Mammals of the USSR and Adjacent Countries, by S. I. Ognev, 429 pp.
RUSSIAN, bk, Zveri SSSR i Prilezhashchikh Stran, Vol IV, Moscow-Leningrad, 1940.
CFSTI TT 65-50016

The Present State of Infectious Diseases in the Vietnamese Democratic Republic by J. Mirovsky, 10 pp.
CZECH, per, Casopis Lekarn Ceskych, Vol C II, 1963, pp 810-814.
ACSI J-0750
ID 2204046766

Enzymes of Snake Venoms, by Frantisek Kornalik.
CZECH, per, Chemické Listy No 5, 1966, ACSI J-0596
ID 2204043566

Tubercle Bacilli in Sputum or Gastric Content Without Roentgen Changes in Lungs, by J. C. Gerrits.
DUTCH, per, Nederl. T. Geneesk., Vol 92, April 3, 1948, pp 988-994.
*Dept of Navy/MMS

Tuberculosis Bacilli in Sputum and Gastric Content with Negative Roentgen Picture, by J. C. Gerrits.
DANISH, per, Nederl. T. Geneesk., Vol 93, 1948, pp 476-477.
*Dept of Navy/MMS

Signs of Active Tuberculosis Following Negative Roentgen, by A. M. Mulder.
DANISH, per, Nederl. T. Geneesk., Vol 93, 1949, pp 476-477.
*Dept of Navy/MMS

Scientific
Biological & Medical Science (Contd)

A Normal Delivery at the Age of 51,
by H. D. Woelings.
DUTCH, per, Nederlandsche Tijdschrift v
Geneesk, Vol 35, 1959, pp 1369-1370.
*Dept of Navy/RMS

Supply and Consumption of Ascorbic Acid
at the South African Antarctic Base,
by A. le R. van der Merwe.
DUTCH, per, South African Jour., Vol 36,
1962, pp 751-754.
*Dept of Navy/RMS

Isotopes Scanning of the Pancreas, by L. La-
hdevirta and M. Haikonen,
FINNISH, per, Duodecim, Vol LXXXI, 1965,
pp 1014-1033.
*AEC 2464

A Case of Tubal Pregnancy with Living
Child at Term, Followed by Normal
Pregnancy, by J. J. Harbert et al.
FRENCH, per, Acad. Chir., Vol 89,
No 32-33, 1963, p 893.
*Dept of Navy/RMS

Physical Fitness in Exercise and at Rest,
as Reflected in Cardiac Frequency, by
S. Degre et al.
FRENCH, per, Acta Cardiol, Vol 20, 1965,
pp 17-26.
*Dept of Navy/RMS

Experimental Nephrosis on Rabbits,
by Ch. Royiller et al.
FRENCH, per, Ann. d'Anat. Path., Vol 3,
1958, pp 223-230.
*Dept of Navy/RMS

Recent Physical and Chemical Methods for
Estimating Rates of Plasma and Urinary
Corticosteroids, by Raymond Davis.
FRENCH, per, Ann. Biol. Clin., Vol 23,
1965, pp 157-209.
*Dept of Navy/RMS

Chromogenic Property of Malleomyces
Pseudomallei, by E. R. Brygoo, C.
Richard. 5p.
FRENCH, per, Ann. de l'Inst. Pasteur,
pp 622-625.
Dept of Navy 4835/RMS 1080

Scientific
Biological & Medical Science (Contd)

Studies on the Pathogenic Properties of the
Strictly Anaerobic species of the Coryne-
bacterium Genus, by A. R. Prevot, P. Tardieux. 16p.
FRENCH, per, Ann. Inst. Pasteur, Vol 84, 1952,
pp 87-109.
Dept of Navy 4829/RMS 1113

Pseudomonas Pseudomallei, by J. Fournier.
FRENCH, per, Ann. Inst. Pasteur, Vol 108,
pp 107-112.
*Dept of Navy/RMS

Malleomyces Mallei, Pseudomonas Pseudo-
Mallei and Pseudomonas Aeruginosa Effect
on Nitr Gen Substances, Comparative Studies,
by Bach-Toan-Vinh.
FRENCH, per, Ann. Inst. Pasteur, Vol 109,
1965, pp 460-463.
*Dept of Navy/RMS

Examination of a Cell Strain Permanently In-
fected with Rauscher's Virus for the Presence
of Interferon or of a Heterologous Interference,
by J. Faries and M. Boiron, et al,
FRENCH, per, Ann. Inst. Pasteur, Vol CXXIX,
1965, pp 595-600.
*AEC ORNL TR 1419

A Case of Full Term Tubular Pregnancy
(Twins), by A. Franck. 4p.
FRENCH, per, Ann. Soc. Belg. Med. Trop,
Vol 37, 1957, pp 623-625.
Dept of Navy 4845/RMS 1090

A Problem in Occupational Dermatology,
by A. Delmotte. 6p.
FRENCH, per, Arch. Belg. Med. Soc.,
Vol XXXIII, 1965, pp 163-167.
Dept of Navy 4830/RMS 1114

A Case of Tubal Pregnancy Carried to Term,
by P. Mueller et al.
FRENCH, per, Bull. Fed. Gyn. Obst. Fr.,
Vol 9, 1957, pp 439-440.
*Dept of Navy/RMS

Subacute Nephritis in Lead Poisoning,
by P. Rothery et al.
FRENCH, per, Bull. Soc. Med. No. de Paris,
Vol 47, 1953, pp 922-973.
*Dept of Navy/RMS

Scientific
Biological & Medical Science (Contd)

Seasonal Encephalitis Among the Franco-Vietnamese Troops at Tonkin, 98 Cases, by H. Ruyelo et al. 2p.
FRENCH, per, Bull. Soc. Path. Exot., 14 Oct. 1952, pp 872-876.
Dept of Navy 4855/NMS 1100

First Identification of Japanese B Encephalitis Virus in Vietnam, by M. Prevot et al. 4p.
FRENCH, per, Bull. Soc. Path. Exot., July 7, 1954, pp 490-492.
Dept of Navy 4862/NMS 1107

Serological Studies on Japanese B Encephalitis in Vietnam, by R. Metter. 2p.
FRENCH, per, Bull. Soc. Path. Exot., 14 Nov., 1956, pp 883-891.
Dept of Navy 4854/NMS 1099

The Plague in Western Europe and the Mediterranean Basin, by Jean-Noel Biraben. 24p.
FRENCH, per, Concours Med., Vol 85, Feb. 2, 1963, pp 781-790.
Dept of Navy 4933/NMS 1133

How to Interpret Skin Tuberculin Test, Positive for the First Time, by R. Fereiman. 12p.
FRENCH, per, Concours Med., Vol 86, 1964, pp 997-1000.
Dept of Navy 4941/NMS 1141

Electro-Cortical Responses of Normal Wide-Awake man to Light Flashes. Results Obtained from Recordings on the Scalp with an Integrating Device, by R. Antonelli.
FRENCH, per, Electroencephalography and Clinical Neurophysiology, Vol 13, 1961, pp 674-694.
*ACSI J-0875
ID 2204050166

Analysis of a Cell Strain Continuously Producing Rauscher's Leukemia Virus in Vitro, by J. Tanner and J. Fories, et al.
FRENCH, per, Exp. Cell Research, Vol XL, 1965, pp 513-526.
*AEC CML TR 1480

Application of the Conformal Transformation to an Analogous Study of the Heating of Bodies During Reentry, by P. Sulmont, et al.
FRENCH, per, International Journal of Heat and Mass Transfer, Vol 9, 1966, pp 407-416.
*AEC

Scientific
Biological & Medical Science (Contd)

Cytomegalic Inclusions Disease, by A. Fonta et al.
FRENCH, per, Jour. Med. de Bordeaux, Vol 141, 1964, pp 1115-1121.
*Dept of Navy/NMS

Rhythmical Incontinence of Urine, due to Extravesical (ectopic) Mastus, by L. H. Surraco, Z. Tavares. 3p.
FRENCH, per, Jour. Urol. Nephrol, Vol 76, 1961, pp 675-677.
Dept of Navy 4838/NMS 1083

Zoonosis Developing into Melioidosis, by Jacques Fournier.
FRENCH, per, Med. Egypte, Vol 9, 1960, pp 23-54.
*Dept of Navy/NMS

A Case of Pleuro-Pulmonary Melioidosis, by J. Bascands et al.
FRENCH, per, Med. Trop., Vol 25, 1965, pp 335-340.
*Dept of Navy/NMS

Two New Cases of Abdominal Pregnancy at Term With Living Infants, by G. Mars et al. 9p.
FRENCH, per, Mem. Acad. Chir., Vol 89, Nov. 1963, pp 886-889.
Dept of Navy 4939/NMS 1139

Sensitivity Reaction of Lactic and Glycolic Acids, by G. Deniges.
FRENCH, per, Mem. Soc. Chim., 1: 117, pp 647-649.
*Dept of Navy/NMS

Basal Lesion in Clinical and Experimental Lead Poisoning, by P. Galle.
FRENCH, per, Revue, Vol 2, 1965, pp 273-286.
*Dept of Navy/NMS

Lipoma in Cauda Equina, by R. Laine et al.
FRENCH, per, Neurochir, Vol 10, 1964, pp 138-140.
*Dept of Navy/NMS

Notice Concerning the Protection That Can be Found in Existing Buildings Against Radiation, 14 pp.
FRENCH, rpt, Notice sur la Protection que l'on Peut Trouver Dans les Batiments Existants Contre le Rayonnement Radioactif des Retombées, Revision 1965, ACSI J-0808
ID 2204040866

Scientific
Biological & Medical Science (Contd)

An Observation on a Probable Pregnancy
at age of 52, by M. Dumont.
FRENCH, per, Obstet. Franc., Vol 14,
July-Aug 1962.
*Dept of Navy/NMS

The General Causes of Morbidity and Lethality
of an Expeditionary Corps in the Far East,
by Blanc and Armengaud. 37 pp.
FRENCH, rpt, La Pathologie Tropicale Aux
Armees, Apr 1959, pp 515-532.
ACSI J-0641
ID 2204044566

Chronic Pulmonary Melioidosis, by
J. Guillermand et al.
FRENCH, per, Poumon Coeur, Vol 20,
pp 269-285.
*Dept of Navy/NMS

Pulmonary Melioidosis, by A. Duroux,
FRENCH, per, Poumon Coeur, Vol XXI, 1965,
pp 255-272.
*Dept of Navy/NMS

Pulmonary Melioidosis, by A. Duroux.
FRENCH, per, Poumon Coeur, Vol XXI, 1965,
pp 355-372.
*Dept of Navy/NMS

Trench Foot, by R. Rabut. 10p.
FRENCH, per, La Presse Med., No 97-98,
1939, pp 1683-1684.
Dept of Navy 4865/NMS 1110

Cardiac Lesion Attributable to Nore-
pinephrine, by G. G. Nahas et al.
FRENCH, per, Presse Med., Vol 67,
1959, pp 1079-1082.
*Dept of Navy/NMS

Menstrual Anomalies During Puberty,
by P. Morin et al. 20p.
FRENCH, per, Rev. Prat., Vol 14, 1964,
p 3623-3634.
Dept of Navy 4940/NMS 1140

Encephalitis in South Vietnam, by
P. Caudet et al. 2p.
FRENCH, per, Sem. Hop., 10 July 1957,
pp 2675-2679.
Dept of Navy 4853/NMS 1098

Scientific
Biological & Medical Science (Contd)

Plaster of Paris Filling for Maxillary
Surgical Cavities, by L. Lebourg et al.
FRENCH, per, Sem. Hop., Vol 37, 1961,
pp 1195-1197.
*Dept of Navy/NMS

Psychogenic Amenorrhea, by J. Renaud et al.
FRENCH, per, Sem. Ther., Vol 39, 1963,
pp 181-184.
*Dept of Navy/NMS

Hyperbaric Oxygen Treatment of Early
Post Abortum Neurological Accidents...
with Embolism, by M. Rapin et al.
FRENCH, per, Soc. Med. Hosp., Vol 116,
1965, pp 673-688.
*Dept of Navy/NMS

Hormonal Activity of Human Placent Explant,
by W. Neuweiler, U. Herrmann.
GERMAN, rpt, pp 219-222.
Dept of Navy 4834/NMS 1079

Offer of a Hygienic Article for Introduction
in the Armed Forces of the United States.
by Horst Voelkel.
GERMAN/FRENCH, rpt, Angebot eines Hygienischen
Artikels zur Einfuehrung bei den Streitkraefen
der USA, 13 Aug 1966.
*ACSI J-0825

Corticosteroids in the Treatment of Infect-
ious Mononucleosis and its Complications,
by H. Kaiser.
GERMAN, per, Antibiot. Chemother, Vol X,
pp 94-129.
Dept of Navy 4935/NMS 1136

Investigation on the Virus of Cattle
Flague (Rinderpest) by Using Cell Cultures,
by B. Liess.
GERMAN, per, Archiv fur Experimentelle
Veterinarmedizin, No 2, 1966, pp 203,
236-239.
ACSI J-0762
ID 2204047866

Demonstration of Brucella with Fluorescent
Antibodies--V-- The "Combined Fluorescence
Test" for the Determination of Agglutinin,
and of Incomplete and Complement-Binding
Antibodies in Blood Serum, by K. D. Jentaseh.
GERMAN, per, Archiv fur Experimentelle
Veterinarmedizin, No 12, 1966, p 275, p 281.
ACSI J-0762
ID 2204047866

Scientific
Biological & Medical Science (Contd)

Demonstration of Brucella with Fluorescent Antibodies--VI-- (Conclusion) --Demonstration of Brucella in the Tissue of Experimentally Infected Animals, by E. Karasek, K. D. Jentsch.

GERMAN, per, Archiv fur Experimentelle Veterinarmedizin, No 12, 1966, p 283, p 291.
ACSI J-0762
ID 2204047866

Efficiency of the Fluorescence Method in Sero-Diagnosis of Brucellosis of Cattle and Hogs, by S. Hajdu.

GERMAN, per, Archiv fur Experimentelle Veterinarmedizin, No 12, 1966, p 293, p 305.
ACSI J-0762
ID 2204047866

Clostridium Perfringens, Type A in Guinea Pigs, by St. Medjalkov, M. Draganov.

GERMAN, per, Archiv fur Experimentelle Veterinarmedizin, No 12, 1966, p 323, p 325.
ACSI J-0762
ID 2204047866

Electronoptical Observation on the Significance of the Lung in the Propagation of the Virus of Aujeszky's Disease, by C. H. Becker.

GERMAN, per, Archiv fur Experimentelle Veterinarmedizin, No 12, 1966, pp 339, 349.
ACSI J-0762
ID 2204047866

Episcotic Aujeszky's Disease in Czechoslovakia --II -- Repeated Flare-Ups of the Disease in Western Slovakia, by R. Skoda, Z. Grunert.

GERMAN, per, Archiv fur Experimentelle Veterinarmedizin, No 12, 1966, pp 433-434.
ACSI J-0762
ID 2204047866

The Settling of Small Particles Suspended in the Air in Human Lungs During Breathing, by W. Findoison.

GERMAN, per, Arch. Ges. Physiol., Vol 236, No 3, 1955, pp 367-379.
*AEC 2461

Investigations Concerning the Secondary Structure of Soluble RNA from Yeast, by H. Seidel and F. Cramer,

GERMAN, per, Biochim. Biophys. Acta, Vol CVIII, 1966, pp 367-375.
*AEC ORNL TR 1404

Scientific
Biological & Medical Science (Contd)

Determination of Orthophosphates, by B. E. Wahler.

GERMAN, per, Biochem. Ztsch. Vol 329, 1958, pp 508-520.
*Dept of Navy/NMS

The Radioimmunological Estimation of Proteo-Hormones in Blood, by H. Geerling and H. J. Angek, et al,

GERMAN, per, Deutsche Medizinische Wochenschrift, Vol XC, No 18, 1965, pp 825-830.
*AEC 2463

Electronoptical Studies on Cytomegalic Nuclear Inclusions, by Hans Timmel.

GERMAN, per, Frankfurt Z. Path. Vol 73, 1964, pp 514-519.
*Dept of Navy/NMS

Elimination of Terramycin and Tetracycline in Mother's Milk, by J. M. Gruener. 1p.

GERMAN, per, Geburtsh. Frauenheilk. Vol 15, 1955, pp 354-360.
Dept of Navy 4861/NMS 1106

Microbiological Studies on Chloramphenicol in Mother's Milk, by B. Schmidt et al.

GERMAN, per, Geburtsh. Frauenheilk. Vol 23, 1963, pp 1111-1117.
*Dept of Navy/NMS

A Case of Tubal Pregnancy Carried to Term, by J. Madaj et al. 6p.

GERMAN, per, Geburtsh. Frauenheilk. Vol 25, March 1965, pp 244-247.
Dept of Navy 4938/NMS 1138

Retarded Damage of Skeleton After ThX-Treatment by H. Spiess.

GERMAN, rpt, Gustav Fischer Verlag-Stuttgart, 1966, pp 46-53. Paper VI.
*AEC
EDC November 15

Tracing Perorally Given Antibiotics in Blood and Milk of Lying-in Women, by W. Thewanger. 13p.

GERMAN, per, Klin. Med. Vol 13, 1958, pp 486-498.
Dept of Navy 4860/NMS 1105

Demonstration of Fetal Hemoglobin in the Erythrocytes in Blood Smears, by Emno Kleinbauer et al.

GERMAN, per, Klin. Wochenschr., Vol 35, 1957, pp 637-638.
Dept of Navy 4936/NMS 1132

Scientific
Biological & Medical Science (Contd)

Detection of a Parathyroid Adenoma only After Scintigraphic Visualisation, by H. Bartelheimer. GERMAN, per, Klinische Wochenschrift, Vol 43, 1965, pp 854-856. *AEC 2454

Tuberculosis Bacillus in Sputum with Roentgen, by O. Lingsmann. GERMAN, per, Med. Klin., Vol 44, 1949, pp 991-994. *Dept of Navy/NMS

Formation of Bone Cysts, by Rudolf Virohow. 16p. GERMAN, per, Monatsb. Akad. Wissensch., 1876, pp 28-369-381. Dept of Navy 4864/NMS 1109

The Nucleus and the Shell in the Rest Economy of Man, by J. Aschoff et al. 32p. GERMAN, per, Naturwiss., Vol 45, No 20, 1958, pp 477-485. Dept of Navy 4852/NMS 1097

Silicon Ointments, by G. Wagner. 12p. GERMAN, per, Pharmazie, Vol 14, 1959, pp 173-176. Dept of Navy 4836/NMS 1081

Nasal Bone Deformities Caused by Benign and Malignant Nasal Tumors as Well as in Crouzon Disease, by G. Wirth. 7p. GERMAN, per, Pract. oto-rhin. Lar., Vol 25, 1963, pp 308-318. Dept of Navy 4847/NMS 1092

Some Anatomical Data on Fur-Bearing Mammals, by Raimund Noseni. GERMAN, per, Prager Tierarztliches Archiv, Vol 25, 1935, pp 211-215. P911045266 AEC ANL-tr-315

Strongylosis in Two Nutria Farms Control Experiments With Allisatin, Allium Sativum and Hygienic Measures, by H. Grieder. GERMAN, per, Schweizer Archiv fur Tierheilkunde, Vol 79, 1937, pp 475-480. P911069766 AEC ANL tr 351

Gastroenteritidis and Intestinal Dislocations in Fur-Bearing Mammals During Captivity, by H. Grieder. GERMAN, per, Schweizer Archiv fur Tierheilkunde, Vol 79, 1937, pp 570-574. P911045466 AEC ANL-tr-339

Scientific
Biological & Medical Science (Contd)

Experimental Research on Hela Cells After Separate and Combined Use of Decortilen and X-Rays, by K. Peters and R. Bauer. GERMAN, per, Strahlentherapie, Vol CXXVIII, 1965, pp 577-585. *AEC AERE Harwell 115-69

Development in Galvanic Cells, by E. Winkler. GERMAN, per, Die Technik, No 2, Feb 1966, pp 79-84. ACSI J-0754 ID 2204047166

Military Medical Information in Brief, 15 pp. GERMAN, per, Wehrmedizinische Monatsschrift, No 4, 1966, ACSI J-0583 ID 2204042666

Medical Experiences During the Fighting in Algeria From 1954 to 1962, by H. Fischer, 15 pp. GERMAN, per, Wehrmedizinische Monatsschrift, No 4, April 1966, pp 145-151. ACSI J-0583 ID 2204042666

Congenital Incontinence Cause by Dystrophic Ureter; Special Treatment, by H. Kraatz. GERMAN, per, Zb. Gyn., Vol 86, 1964, pp 713-716. *Dept of Navy/NMS

The Influence of Corticoid Therapy on the Enzymatic Activity in the Course of Infectious Mononucleosis, by M. Kuba et al. 1p. GERMAN, per, Z. Ges. Inn. Med., Vol 18, Dec. 1963, pp 1088-1090. Dept of Navy 4937/NMS 1137

Spontaneous Grafted Sarcoma in Guinea Pigs, by O. Lubarsch. GERMAN, per, Zeitschrift fur Krebsforschung, Vol 16, 1919, pp 315-317. *AEC 2447

The Transport Function of the Endoplasmatic Reticulum of Sublethally Irradiated Chicken Heart Myoblast, by D. Schafer. GERMAN, per, Zeitschrift fur Zellforschung, Vol 71, 1966, pp 562-573. *AEC

Melioidosis on Java, by C. H. J. Broekmans. GERMAN, per, Z. Tropenmed. Parasit., Vol 12, 1961, pp 451-460. *Dept of Navy/NMS

Scientific
Biological & Medical Science (Contd)

Changes in the Rates of Serum Glutamine
Acid Oxalacetic Acid Transaminase in
rats, Infected with Trichinella Spiralis,
by Imre Strausz et al. 1p.
HUNGARIAN, per, Kiserletes Orvostud.
Vol 13, 1961, pp 185-187.
Dept of Navy 4850/NMS 1095

Development of Biological Research in Hungary,
by Bruno F. Straub, 8 pp.
HUNGARIAN, per, Magyar Tudomány, No 5, June
1966, pp. 280-286.
JPRS 37128

Report of the Officers of the Department of
Biological Sciences, Hungarian Academy of
Sciences, by Bruno F. Straub, 26 pp.
HUNGARIAN, per, Magyar Tudományos Akademia
Biologiai Tudományok Kozlemenyei, Vol VIII,
No 2, 1965, pp. 125-147.
JPRS 37163

The Place and Development of Biological Sciences
during the Twenty-Year Period beginning with
the Liberation of Hungary, by Imre Horvath,
12 pp.
HUNGARIAN, per, Magyar Tudományos Akademia
Biologiai Tudományok Osztályának Kozlemenyei,
Vol VIII, No 2, 1965, pp. 203-213.
JPRS 37163

Two Decades of Biology Instruction, by
Gyorgy Kontra, 8 pp.
HUNGARIAN, per, Magyar Tudományos Akademia
Biologiai Tudományok Osztályának Kozlemenyei,
Vol VIII, No 2, 1965, pp. 215-221.
JPRS 37163

Isomer Transformation of Urea in
Aqueous Solution, by O. T. Rotini et al.
ITALIAN, per, Ann. di Chimica, Vol 46,
1956, pp 440-450.
*Dept of Navy/NMS

Hyperoxic Intoxication Under Water,
by G. Moretti.
ITALIAN, per, Ann. Med. Nav., Vol 70,
1965, pp 147-166.
*Dept of Navy/NMS

The Effect of Anesthesia and of Surgical
Trauma on the Carbohydrate Metabolism,
by A. Pizzoferrato.
ITALIAN, per, Arch. Pat. Clin. Med.,
Vol 38, 1961, pp 241-249.
*Dept of Navy/NMS

Scientific
Biological & Medical Science (Contd)

On the Presence of Factors Inhibiting
ECHO and Coxsackie Viruses, Adenovirus
and Measles Virus in Amniotic Fluid,
Colostrum, Milk, by A. Albano et al.
ITALIAN, per, Boll. Inst. Diet., Vol 32,
1964, pp 321-338.
*Dept of Navy/NMS

Further Studies on Thyroxin Elimination
in Mothers's Milk, by R. Bracci et al.
ITALIAN, per, Lattante, Vol 34, 1963,
pp 812-820.
*Dept of Navy/NMS

Active Principles in Silicon, of Interest
for Dermatology and Pharmaceutics, by
C. Acuto, 19p.
ITALIAN, per, Minerva Farm., Vol 9, 1960,
pp 38-41.
Dept of Navy 4839/NMS 1084

Simultaneous Tubal and Uterine Pregnancy,
by A. Valasecchi.
ITALIAN, per, Minerva Gin., Vol 16, June
1964, pp 513-514.
*Dept of Navy/NMS

Treatment of Bladder Tumours With a Radioactive
Nitrogen Mustard, by P. Georgacopulo, et al.
ITALIAN, per, Minerva Medica, Vol 56, No 37, 1965
*AEC 2453

Studies in Scintigraphy of the Pancreas, by
A. Laconi, et al.
ITALIAN, per, Minerva Medica, Vol 56, 1965,
pp 3645-3652.
*AEC 2455

A Rare Case of Congenital Nephrosis and
Cytomegalic Inclusion Disease, by G. De
Luca et al. 19p.
ITALIAN, per, Minerva Ped., Vol 16, 1964,
pp 1164-1170.
Dept of Navy 4858/NMS 1103

Cytomegalic Disease and Congenital
Nephrosis, by N. Delendi et al.
ITALIAN, per, Minerva Ped., Vol 16,
1964, pp 1170-1179.
*Dept of Navy/NMS

Scientific
Biological & Medical Science (Contd)

Contribution to the Studies on Citomegalic Disease, by U. Gobbi et al.
ITALIAN, per, Minerva Ped., Vol 17, 1965, pp 31-41.
*Dept of Navy/NMS

Blood Enzymes in Surgical Patients After Various Types of Anesthesia, by E. Passaggio et al.
ITALIAN, per, Path., Vol 53, 1961, pp 441-449.
*Dept of Navy/NMS

Gastric Test for Koch Bacillus, by Franco Grossi.
ITALIAN, per, Rinasc. Med., Vol 12, 1935, pp 511-512.
*Dept of Navy/NMS

In vivo Determination of pO₂, by L. Bellelli.
ITALIAN, per, Riv. Med. Aero, Vol 28, 1965, pp 162-186.
*Dept of Navy/NMS

The Age Concept (or factor) in Pregnancy, by Pietro Iusti et al.
ITALIAN, per, Riv. Obstet. Gin. Pract., Vol 43, July 1961.
*Dept of Navy/NMS

The Effect of Turbodrill Machine Noise on Auditory Function, by V. Castaldo et al.
ITALIAN, per, Stomatologica, Vol 8, 1964, pp 211-232.
*Dept of Navy/NMS

Primary Tubercular Infection, by V. Basanti et al.
ITALIAN, per, Tuberculosi, Vol 33, 1963, pp 167-170.
*Dept of Navy/NMS

Air Contamination by Air-Turbine in Dental Practice, by G. Rolla.
NORWEGIAN, per, Norske Tannlaegeforen Tid., Vol 73, 1963, pp 442-446.
*Dept of Navy/NMS

Artificial Respiration Using Gas Masks in Cases of Gas Poisoning on Battlefields, by Jan Chmielewski, 2 pp.
POLISH, per, Lekarz Wojskowy, Vol XLII, No 6, June 1966, pp 489-491.
ACSI J-0749
ID 2204046666

Scientific
Biological & Medical Science (Contd)

An Attempt at Using Plastic Mass in Hydrobiological Apparatus, by J. Paschalski.
POLISH, per, Polskie Archiwum Hydrobiologii, Vol VI, No 19, 1959, pp 117-125.
CFSTI TT 65-50369

Influence of Some Ecological Factors on the Body Size of Tyrophagus Noxius Zachw. Adults, Tyroglyphidae, Acarina, by Kazimierz Krzeczowski.
POLISH, per, Prace Naukowe Instytutu Ochrony Roslin, Vol IV, No 1, 1962, pp 155-176.
CFSTI TT 65-50327

Some Notes on the Biology of the Root Fomes annosus (Fr.) Cooke, by Henryk Orlos.
POLISH, per, Sylvan, Nol, 1960, pp 1-13.
CFSTI TT 65-50331

Mechanism of Invasion and Migration of Parasites in the Host Organism, by Zbigniew Kozar. 29p.
POLISH, per, Wied. Parazyt., Vol 7, 1961, pp 541-559.
Dept of Navy 4863/NMS 1108

Mandibule Facial Dysostosis, by David Serson Neto, 12 pp.
PORTUGUESE, per, O Hospital, Vol LI, No 3, 1957, pp 333-345.
Dept of Navy 4909/ONI 2222

Spasmolytic Action of Some New Oximes, by Dr. Gh. Niculescu, 6 pp.
RUMANIAN, per, Revista Sanitara Militara, Vol LXII, No 3, May-June 1966, pp. 493-497.
JPRS 37075

Antidotes Used for Intoxications with Organophosphorous Compounds, by Lt. Col. V. Bostanaru, C. Grigorescu, H. Costinescu and G. Tichescu, 8 pp.
RUMANIAN, per, Revista Sanitara Militara, Vol LXII, No 3, May-June 1966, pp. 499-504.
JPRS 37162

Latest Developments in Medicine in Cuba, 5 pp.
SPANISH, per, Revista Cubana de Medicina, Vol V, No 1, 28 Feb 1966, pp. 1, 5; 6, 10; 11, 14; 15, 20; 21, 24; 26, 37; 42; 82; 97, 102; 103, 112; and 114, 118
JPRS 37242

Plasmadine, by N. Gr. Popescu. 9 pp.
RUMANIAN, per, Stiinta Si Tehnica, No 6, Jun 1962, pp 26-28. P100029066
ITD-TT-65-1428

Scientific
Biological & Medical Science (Contd)

The So-Called Mucous Cysts, by L. Balus.
RUMANIAN, per, Stomatologia, Vol 11,
No 4, 1964, pp 315-323.
*Dept of Navy/RMS

Simultaneous Secondary Amenorrhea in
Monozygotic Twins, by M. D. Serban et al. 8p.
RUMANIAN, per, Stud. Cercet. Endocr., Vol 15,
1964, pp 155-160.
Dept of Navy 4942/RMS 1142

Pastuerella Multocida Causing Septicaemia in
Nutria, by F. Mlinac.
SERBO-CROATIAN, per, Veterinarski Arhiv, Zagreb,
Vol 31, No 566, 1961, pp 149-150. P911045166
AEC ANL tr-325

Extrauterine Pregnancy at Term, by Jose
Anselmo et al. 13p.
SPANISH, per, Rev. Chile Obst. Gin., Vol 29,
pp 249-253.
Dept of Navy 4932/RMS 1134

Report on Recent Cuban Medical Research Pro-
jects, 3 pp.
SPANISH, per, Revista Cubana de Medicina, Vol
4, Nos. 4-6, Jul-Dec 1965; pp. 385-401;
402 & 410-411; 412; 420 & 422; 423 & 425;
426 & 428-429; 431 & 437; 438 & 442; 444 & 455;
457 & 470-471; 473 & 477; 478 & 481-482; 488 &
495.
JPRS 37381

Organization of Psychiatric Care under Mutual-
ism in Cuba, by Dr. Jorge Lopez Valdes, 24 pp.
SPANISH, per, Revista Cubana de Medicina, Vol
V, No 1, 28 Feb 1966, pp. 62-81.
JPRS 37242

Investigation on Latent Tuberculosis
Among the University Students at Cordoba,
by M. G. Casco.
SPANISH, per, Rev. Med. Cordoba, Vol 51,
1963, pp 38-49.
*Dept of Navy/RMS

Amenorrhea-Galactorrhea, by I. Zubillaga.
SPANISH, per, Rev. Obst. y Gin., Vol 24,
1964, pp 509-523.
*Dept of Navy/RMS

Psychogenic Amenorrhea Among the Adolescent
Girls in Boarding Schools, by Americo
Kaban. 7p.
SPANISH, per, Sem. Med., Vol 122, 1963,
pp 1282-1284.
Dept of Navy 4934/RMS 1135

Scientific
Biological & Medical Science (Contd)

Psychogenic Amenorrhea in Boarding
Schools, by M. A. Zarate et al.
SPANISH, per, Sem. Med., Vol 122,
1963, pp 1421-1423.
*Dept of Navy/RMS

Film Coating of Tablets and Preparation of
Enteric Tablet, by G. Bayraktar, K. C. Guven,
6 pp.
TURKISH, per, Eczacilik Bulteni, Vol VII,
No 3, pp 36-48, Vol VII, No 4, 1965, pp 50-79.
ACSI J-0304
ID 2204036266

Chemistry

Interaction of Samarium and Gallium
Selenides A2(III) B3(VI), by G. Kh. Efendiev,
7 pp.
RUSSIAN, per, Azerbaid Khim Zhur, No 1,
1964, pp 125-131.
ATS-42T91R

Investigation of the Interaction of
Lanthanum and Gallium Selenides A2(III)
B3(VI), by G. Kh. Efendiev, Z. Karayev,
5 pp.
RUSSIAN, per, Azerbaid Khim Zhur, No 5,
1964, pp 103-107.
ATS-43T91R

Interaction in the System Gallium
Selenide-Telluride (Type A(III) B(VI)),
by P. G. Rustamov, B. K. Babyeva, 5 pp.
RUSSIAN, per, Azerbaidzhanskiy Khim
Zhur, No 1, 1964, pp 133-138.
ATS-44T91R

Beryllium, Chemical Processing and
Metallurgy, by G. F. Silina, Yu. I. Zarembo,
12 pp.
RUSSIAN, rpt, Berilliy Khimicheskaya
Tekhnologiya i Metallurgiya, 1960,
pp 103-119.
Dept of Navy Tr 4881/ONI 2156

Electrical Methods of Extracting Juices From
Vegetable Matter, by E. V. Reshet'ko, A. A.
Mamakov, 8 pp.
RUSSIAN, per, Elektronnaya Obrabotka
Materialov, No 3, 1965.
JPRS 37414

Scientific
Chemistry (Contd)

The Problem of the Burning of Certain
Ballistite Powders, by E. V. Konev. 5 pp.
RUSSIAN, per, Fizika Goreniya i Vzryva,
No 3, 1965, Akademiya Nauk SSSR -
Sibirskoye Otdeleniye.
ACSI J-0748
ID 2204046566

Formation and Properties of Sodium Peroxide
Dihydrate, by T. P. Firsova, et al.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 1,
1966, pp 3-13.
J. Woroncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

Chemical Current Sources, by M. A. Dasoyan.
415 pp.
RUSSIAN, bk, Khimicheskiye Istochniki Toka,
1961, 350 pp. P100051866-V
FTD-tt-66-7

A Statistical Method for the Analysis of Mac-
rokinetic Processes in a Fluidized Catalyst
Bed, by I. I. Yoffe and L. M. Pis'men,
RUSSIAN, per, Khim. Prom, No 4, 1960, pp 287-
293.
ATS RJ-2942

New Equipment For the Chemical Shops, by
P. M. Chernichenko and Z. I. Bashlay, 18 pp.
RUSSIAN, per, Koks i Khimiya, No 7, 1966,
pp. 49-52.
JPRS 37867

Methods and Applications of Fiber Glass
Production, by V. A. Shevchenko and Ya. M.
Meytin, 13 pp.
RUSSIAN, bk, Stroitelnye Plastiki, 1964.
JPRS 37744

Application of Polynuclear Co-Complexes
in Analytical Chemistry, by I. M. Reibel.
RUSSIAN, per, Trudy Kishinevskogo
Sel'skokhozyaystvennogo Instituta imeni
M. V. Frunze, Vol XXVI, 1962, pp 45-51.
*AEC
EDC November 15

The Chemistry of Beryllides, by G. V. Samsonov
62 pp.
RUSSIAN, per, Uspekhi Khimii, Vol 35, No 5,
1966, pp. 779-822.
JPRS 37222

Scientific
Chemistry (Contd)

Possible Role of Metallic Complexes in the
Reactivation of Cholinesterase Inhibited by
Organic Phosphorus Compounds, by Ye. V. Rogin-
skaya and V. I. Shchekoldina, 8 pp.
RUSSIAN, per, Voprosy meditsinskoy khimii,
Vol 12, No 4, 1966, pp. 373-376.
JPRS 37522

Conjugated Double-Bond Polymers Containing
Pyridine Rings, by V. V. Pen'kovskiy. 48 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol 6, No 10, 1964, pp 1753-1757. P100050666
FTD-TT-65-757

Investigation of the Conductivity of Polymer
Films at High Frequencies, by L.I. Boguslavskiy,
L.S. Stil'bans. 48 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol 6, No 10, 1964, pp 1802-1805. P100050666
FTD-TT-65-757

Polymerization of Quinoline Complexed With Zinc
Chloride, by D.A. Topchiyev, V.A. Kabanov, et al
48 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol 6, No 10, 1964, pp 1814-1820. P100050666
FTD-TT-65-757

Some Aspects of the Polymerization of 4-Chloropy-
ridine, by A.A. Berlin, Ye. F. Razvodovskiy et al.
48 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol 6, No 10, 1964, pp 1838-1843. P100050666
FTD-TT-65-757

Kinetics and Mechanism of the Polymerization of
Aromatic Heterocyclic Compounds, by V.A. Kabanov,
V.A. Kargin, et al. 48 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol 6, No 10, 1964, pp 1852-1861. P100050666
FTD-TT-65-757

Nuclear Chemistry, by V. I. Gol'danskiy and A.
K. Lavrukhina, 455 pp.
RUSSIAN, bk, Yadernaya Khimiya, 1965, pp. 3-
329.
JPRS 36943

A Quick Method of Determination of Humidity
in Liquid Ammonia by Means of Metallic Sodium,
by V. A. Pleskov,
RUSSIAN, per, Zavodsk. Lab., Vol VI, 1937,
pp 177-180.
*AEC AERE Harwell 115-70

Second Conference on the Use of Physical
Methods to Study Complex Compounds, by A.
V. Ablov and N. N. Proskina, 12 pp.
RUSSIAN, per, Zhurnal Neorganicheskoy Khimii,
Vol 11, No 8, Aug 1966, pp. 1992-1998.
JPRS 37743

Scientific
Chemistry (Contd)

On the Problem of Reactions in the System SiO_2 -C During Heating, by A. N. Novikov.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 20, No 5, 1947, pp 431-438.
*AEC

Preparation of Dialdehyde Cellulose and Its Ethers, by A. G. Yashinskaya and N. N. Shorygina, et al,
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XXII, No 8, 1949, pp 865-873.
CFSTI TT 66-51139

Fabry-Perot Interferometer in the Microwave Region of the Spectrum and Its Use for Plasma Diagnostics, by Balakhanov, Striganov, 11 pp.
RUSSIAN, per, Zhur Prik Spektro Ak Nauk Belort'sskoy SSR, Vol III, No 4, 1965, pp 311-319.
Dept of Navy Tr 4882/ONI Tr 2198

Winners of the 1965 Mendeleev Society Prizes in Chemistry, by Prof. D. A. Kuznetsov, 16 pp.
RUSSIAN, per, Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D.I. Mendeleeva, Vol 11, No 3, 1965, pp. 334-340.
JPRS 37485

Fluorine-Containing Nitro Alcohols
by V. A. Komarov, A. V. Fokin, et al.
RUSSIAN, Patent: No 161717, 7 Jan 1963.
*FTD HT-66-624

Calculation of Viscosity of Organic Liquids, by J. Kotisek, J. Marek, 6 pp.
CZECH, per, Chemicky Prumysl, Vol V, No 30, 1955, pp 330-332.
SLA TT-66-11567

Radiochemical Determination of ^{90}Sr in Large Volumes of Drinking Water, by L. Jeanmarie, F. Patti.
FRENCH, rpt. CEA-R-2844 1965. 9232799
AEC-BNWL-Tr-13

Problems of Compatibility of Uranimonoxide With Carbon dioxide, by R. Darras.
FRENCH, per, Bulletin d'Informations Sci Tech No 100, 1966, pp 115-123.
*AEC

Study of Silica Crystallization by the Dry Method, by M. P. Hautefeuille.
FRENCH, per, Bull. Soc. Franc. Mineral Crist, No 1, 1878, pp 1-5.
*AEC

Scientific
Chemistry (Contd)

Influence of Oxygen, Nitrogen and Carbon on the Lattice Parameter of Uranium Monocarbide, by Pierre Magnier.
FRENCH, rpt, Influence de L'Oxygene, de L'Azote et du Carbone sur le Parametre Reticulaire du Monocarbure D'Uranium, Apr 1966.
*AEC-ORNL-Tr-1433

On the Colloidal Hydrates of Thorium, Zirconium and Uranyl, by B. Szilard.
FRENCH, per, Journal de Chimie Physique, Vol 5, 1907, pp 488-494.
*AEC ORNL-tr-1415

Copper Compounds of Ethylene and Carbon Monoxide, by W. Manchot, et al.
GERMAN, per, Ann. Chem, Vol 370, 1909, pp 286-296.
*AEC ORNL-tr-1346

Crystalline Glycerokinase From Candida Mycoderma, by H.U. Bergmeyer, G. Holz, et al.
GERMAN, per, Biochemische Zeitschrift, Vol 333, 1961, pp 471-480. P911029966
AEC UCRL tr-10052

Karyotype and DNA-Content of Bufo Bufo, B. Viridis, B. Bufo x B. Viridis and B. Calamita (amphibia, Anura), by F. H. Ullerich,
GERMAN, per, Chromosma, Vol XVIII, 1966, pp 316-342.
*AEC 2466

Gmelin's Handbook of Inorganic Chemistry 8th Edition - System Number 44.
GERMAN, bk, Gmelins Handbuch der Anorganische Chemie 8 Auflage, System-Nummer 44, 1955.
*AEC ORNL-tr-1413

Polarography of Technetium. I. D.C. and A.C. Polarographic Studies of Pertechetate Solutions, by L. Astheimer, K. Schwochau.
GERMAN, per, J. Electroanal. Chem. Vol 8, 1964, pp 382-389. P911029066
AEC ORNL tr-1265

Determination of the Binding of Triiodothyronine to Serum Proteins by Means of Dextran-gel-filtration, by P. C. Scriba, et al.
GERMAN, per, Klinische Wochenschrift, Vol 44, No 2, 1966, pp 69-76.
*AEC 2444

The Clinical Significance of the Determination of the Binding of Triiodothyronine to Serum Proteins by Means of Dextran-gel-filtration, by P. C. Scriba, et al.
GERMAN, per, Klinische Wochenschrift, Vol 44, No 3, 1966, pp 131-147.
*AEC 2445

Scientific
Chemistry (Contd)

Test Polarography, by K. Kronenberger, H. Strehlow.
GERMAN, per, Polarograph. Ber. Vol 5, 1957,
pp 62-77. P911030066
AEC ORNL tr-1270

Separation Process for the Isolation of Pu, Np,
Zr, Nb, No, Te, and U from Fission Product
Solutions, by I. Markl, et al.
GERMAN, per, Zeitschrift fur Analytische Chemie,
Vol 219, No 2, 1966, pp 160-173.
*AEC 2452

The Equilibrium of Calcium and Sodium
With Their Chlorides With the Addition of
Lead and Antimony to the Metal Phase, by
R. Lorenz, R. Winzer, 21 pp.
GERMAN, per, Zeit fuer Anorganische und
Allgemeine Chemie, Vol CLXXXIII, 1929,
pp 127-139.
SLA TT-63-20770

On Anhydrous Copper Halide Carbonyls, by
Otto Heinrich Wagner.
GERMAN, per, Zeit. Anorg. Allg. Chemie, Vol 196,
1931, pp 364-373. P911068466
AEC ORNL-tr-1336

Addition of Carbon Monoxide to Compounds of
Monovalent Copper, by Heinz Moeller,
Kurt Leschewski.
GERMAN, per, Zeit. Anorg. Allg. Chemie, Vol 243,
1939, pp 185-208. P911068366
AEC ORNL-tr-1338

Dielectric Behavior of Epoxide Resins,
by M. Kobale, H. Lobl.
GERMAN, per, Z. Elektrochem., Vol 65,
1962, pp 662-669.
*AEC

Synthesis of Peptides Containing Selenium. I.
Preparation of Di- and Tripeptides Se-benzyl-DL-
and L-selenocysteine, by W. Frank.
GERMAN, per, Zeitschrift fur Physiologische
Chemie, Vol 339, 1964, pp 202-213.
*AEC 2456

Synthesis of Peptides Containing Selenium. II.
Preparation of the Se Analogue of Oxidised Glutathione (Se-Se-glutathione), by W. Frank.
GERMAN, per, Zeitschrift fur Physiologische
Chemie, Vol 339, 1964, pp 214-221.
*AEC 2457

Synthesis of Peptides Containing Selenium. III.
Diseleno-oxytocin, by W. Frank.
GERMAN, per, Zeitschrift fur Physiologische
Chemie, Vol 339, 1964, pp 222-229.
*AEC 2458

Scientific
Chemistry (Contd)

Process For Preparing Mineral Acid Esters of
Carbohydrates, the Corresponding Hydroxy Acids
and Polyvalent Alcohols,
GERMAN, pat, Patent No 247,809.
Dept of Comm
Patent Office

Sensitivity and Limits of Use of the
Thermoelectric Oscillator in Determining
the Molecular Weights of Polymers, by
G. Montaudo.
ITALIAN, per, Chimica Ind., Vol 47,
No 3, March 1965, pp 305-307.
R.A.E. Tr No 1151

Polymerization of Tetrafluoroethylene
Oxide, by P. Barnaba.
ITALIAN, per, Chimica Ind., Vol 47,
No 10, Oct. 1965, pp 1060-1063.
R.A.E. Tr. No 1152

The Effects of Preirradiation of the Activities
of Solid Acidic Catalysts, by Akio Mitsutani,
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 68, No 4,
Apr 1965, pp 695-699.
*AEC NSJ-tr-73

Vibrational Spectra of Methyl Ethyl Ether and
Diethyl Ether, Particularly Spectral Assign-
ments for Methyl Ethyl Ether, by Yoichiro Mashiko.
JAPANESE, per, Nippon Kagaku Zasshi, Vol 80,
No 6, 1959, pp 593-598. P911069866
AEC ANL-tr-352

Studies of Fluid Catalytic Cracking. II.
Through-Put Capacity of an Installation, by
T. Yamaguchi,
JAPANESE, per, Sekiyu Gakkai Shi, Vol III,
No 8, 1960, pp 636-640.
ATS JJ-2943

Method for the Manufacture of p-Phenylphenol,
by Y. Nagai,
JAPANESE, pat, Patent No 8720.
ATS JJ-2992

Utilization of Rare Earths in the Processing
of Flotated Kola Apatite to Sodium
Phosphate Salts, by J. Szafer,
B. Borkowski, 6 pp.
POLISH, per, Przemysl Chemiczny,
Vol XXI, No 6, pp 323-324, 1965.
TC-1851

Instrument for the Analysis of Hydrocarbons
in Gas and Aerosol form by H. Frostling,
P. H. Lindgren. 18 pp.
SWEDISH, rpt Instrument for analys av Kolvaten
i gas- och aerosolform, FOA i Rapport
A1206-F161 22 pp, December 1964.
ACSI J-0590
ID 2214009566

Scientific
Earth Sciences & Oceanography

Natural Conditions of the Tuvinsk Autonomous Oblast', by L. N. Leont'yev, P. A. Shakhunova, 273 pp.
RUSSIAN, rpt, 1957.
DIA LN 177-66

Main Tasks of Further Glaciological Investigations in Antarctica "Present Mass Increase in the Ice Cover of Antarctica, by P. A. Shumskiy, V. M. Kotlyakov.
RUSSIAN, per, Data of Glaciological Studies, No 5, 1962, pp 10-13; 39-44.
Dept of Navy 4910/ONI 2226

Temperature Dependence of Frequency and Emission Width of the R_1 Line of Ruby, by M. Ye. Movsesyan, Yu. S. Chilingaryan. 5 pp.
RUSSIAN, per, Doklady Ak Nauk ARSSR, Vol 39, No 4, 1964, pp 217-219. P100051766
FTD-TT-65-2006

Determination of the Dependence of the Absorption Coefficient of Longitudinal Seismic Waves Propagating in the Earth's Mantle on Frequency, by I. P. Pasechnik, 8 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol CLXVI, No 6, 1966, pp. 1338-1341.
JPRS 37798

Study of Ionospheric Layers in the Infrared Spectral Region, by M. N. Markov, Ya. I. Merson and M. R. Shamilev, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Seriya Fizika, Matematika, Vol CLXVII, Nos. 4, 5, 6, 1966, pp. 803-806.
JPRS 37029

Lunar-Solar Semi-Monthly and Monthly Tides in the Seas of the Soviet Arctic, by V. N. Vorob'yev, 5 pp.
RUSSIAN, per, Doklady AN SSSR, Seriya Fizika, Matematika, Vol CLXVII, Nos. 4, 5, 6, 1966, pp. 1039-1041.
JPRS 37031

Numerical Model for Short-Range Forecasting of Stratiform Cloud Cover, by Yu. G. Lushev and L. T. Matveyev, 7 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Seriya Fizika, Matematika, Vol CLXVII, Nos. 4, 5, 6, 1966, pp. 1042-1045
JPRS 37030

Scientific
Earth Sciences & Oceanography (Contd)

Spectra of Turbulent Pulsations of the Vertical Component of Wind Velocity in Atmospheric Border Strata Under Conditions of Well-Developed Convection, by C. M. Koprov, 14 pp.
RUSSIAN, per, Fizika Atmosfery i Okeana, Vol 1, No 11, 1965, pp. 1151-1159.
JPRS 37855

Discussion of the Article "The Accuracy of Geodetic Measurements in Geological Survey Operations," 11 pp.
RUSSIAN, per, Geodeziya i Kartografiya, No 6, June 1966, pp. 32-39.
JPRS 37374

The Accuracy of Geodetic Measurements in Geological Survey Operations, by A. S. Lavrikov, 15 pp.
RUSSIAN, per, Geodeziya i kartografiya, No 11, Nov 1965, pp. 29-33.
JPRS 37374

Major Tasks of the Five-Year Plan in the Development of Topographic-Geodetic and Cartographic Operations in 1966-1970.
RUSSIAN, per, Geodeziya i Kartografiya, No 5, May 1966, pp 3-8.
ACSI J-0663
ID 2204045166

Aerial-Photographic, Topographic-Geodetic and Cartographic Work of the Soviet Union in Antarctica, by B. V. Dubovskoy, 13 pp.
RUSSIAN, per, Geodeziya i Kartografiya, No 6, 1966, pp. 51-61.
JPRS 37260

Treating Telluric-Current Graphs by the Method of True Ellipses, by G. N. Tkachev. 12 pp.
RUSSIAN, per, Geologiya i Geofizika, No 11, 1963, pp 114-121. P10020466
FTD-TT-65-1902

The Nature of Gravity Anomalies of South-western Sakhalin, by P. M. Sychev, 10 pp.
RUSSIAN, per, Geologiya i Geofizika, No 2, 1965, pp. 92-98.
JPRS 37040

Experience in Using Industrial Explosions for Crustal Studies in the Transition Zone from the Siberian Platform to the Taymyr Downwarp, by I. K. Tuzeyov, 12 pp.
RUSSIAN, per, Geologiya i Geofizika, No 2, 1965, pp. 123-127.
JPRS 37039

Scientific
Earth Sciences & Oceanography (Contd)

Immunity of Amplitude Criteria of Seismic Wave Phase Correlation, by S. V. Gol'din, 17 pp.
RUSSIAN, per, Geologiya i Geofizika, No 4, 1966, pp. 107-119.
JPRS 37353

Attenuation of Radiation from Artificial Earth Satellites in Above-Surface Trajectories, by Sh. G. Shlionskiy, 11 pp.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol V, No 6, Nov-Dec 1965, pp. 1061-1067.
JPRS 37350

Structure of the Southeastern Margin of the Caspian Depression, by N. Ya. Kunin and R. B. Sapozhnikov, 9 pp.
RUSSIAN, per, Geotektonika, No 6, Nov-Dec 1965, pp. 91-94.
JPRS 37041

Soviet Research in Antarctica in the Decade 1956-1966, by Ye. S. Korotkevich, 20 pp.
RUSSIAN, per, Informatsionnyy Byulleten' Sovetskoy Antarkticheskoy Ekspeditsii, No. 57, 1965, pp. 5-20.
JPRS 37799

Weather Satellites: Soviet Views and Developments, by Ye. Fedorov, 7 pp.
RUSSIAN, np, Izvestiya, 21 Aug 1966, p. 5.
JPRS 37295

An Estimate of the Water Resources of the Administrative Regions of the Azerbaijan SSR (The Greater Caucasus), by R. M. Kasikay, 10 pp.
RUSSIAN, per, Izvestiya Akademii nauk Azerbaydzhanskoy SSR, Seriya nauk o zemle, No 2, 1966, pp. 119-121.
JPRS 37352

Concerning the Theory on the Determination of the Earth's Figure and Dimensions by Satellite Observations, by A. A. Izotov, 5 pp.
RUSSIAN, per, Izvestiya Vysshykh Uchebnykh Zavedeniy, No 3, 1965, pp. 3-11. 9233226
ACIC TC-962

Is It Possible to Influence the Climate and the Weather?, by A. M. Gusev, 57 pp.
RUSSIAN, bk, Klimat i Pogoda, 1966, pp. 73-122.
JPRS 37032

Scientific
Earth Sciences & Oceanography (Contd)

Evaporation from Vegetation and From the Free Surface of Peat Soil, by K. Ya. Kozhanov, 13 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1938, pp. 113-122.
CFSTI TT 66-51077

Some Results and Prospects of Scientific Work at Institutes of the Hydrometeorological Service (1965-1966), by Ye. K. Fedorov, 13 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 3-11.
JPRS 37279

Present Status of Numerical Weather Forecasting Methods, by G. I. Marchuk, 13 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 12-20.
JPRS 37280

High-Level Mesovortex and Some of Its Characteristics, by L. S. Minina, 14 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 21-30.
JPRS 37291

Experience in Developing a Synoptic-Statistical Method for Forecasting Anomalies of Seasonal Precipitation, by N. A. Aniskina and I. B. Lyapunova, 10 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 31-35.
JPRS 37282

Investigation of the Statistical Structure of the Wind Field in Central Asia and in Southern Kazakhstan, by Z. G. Apsalyanova, 6 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 36-40.
JPRS 37283

Hydrometeorology in the Republic of Cuba, by F. F. Davitaya, 7 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 45-49.
JPRS 37273

International Training Seminar of the WMO on Numerical Methods of Short-Range Weather Forecasting, by V. V. Bykov, 5 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 43-52.
JPRS 37274

Preparation of Results of Hydrometeorological Observations for Processing on Electronic Computers, by N. K. Klyukin, 7 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 53-59.
JPRS 37275

Scientific
Earth Sciences & Oceanography (Contd)

Principles of General Meteorology. Atmospheric Physics (Osnovy Obshchey Meteorologii. Fizika Atmosfery), by G. I. Morskoy, 5 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 57-58.
JPRS 37276

Literature on Meteorology and Hydrology, 10 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 61-64.
JPRS 37276

Soviet Meteorological Meetings and Conferences, 5 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya, No 6, 1966, pp. 67-68.
JPRS 37277

Current Measurements with the Emlt in the Gulf Stream Region, by O. P. Gorodnicheva, 13 pp.
RUSSIAN, per, Okeanologiya, Vol VI, No 3, 1966, pp. 513-519.
JPRS 37035

Light Measurements in the Study of Primary Production in the Sea, by O. I. Koblents-Mishke and Yu. Ye. Ochakovskiy, 11 pp.
RUSSIAN, per, Okeanologiya, Vol VI, No 3, 1966, pp. 535-542.
JPRS 37033

Bulletin of the Moscow Society for Natural Research, Geological Section, 547 pp.
RUSSIAN, bk, Otdel Geologicheskii, Vol XXXIII, No 1-3, 1958.
CFSTI TT 65-50093/1/2/3

Secrets of the Earth's Interior, by V. Y. Belousov, 19 pp.
RUSSIAN, per, Priroda, No 7, July 1966, pp. 24-34.
JPRS 37040

General Circulation of Water Masses, by A. E. Leontov, 13 pp.
RUSSIAN, bk, Regional'naya Okeanografiya, Part I, 1960, pp. 109-118.
JPRS 37745

Determination of the Shape, Dimensions and Gravitational Field of the Earth, 14 pp.
RUSSIAN, rpt, Report on Geodetic Research, 1957, pp. 30-37.
Dept of Navy 4912/ONI 2225

Scientific
Earth Sciences & Oceanography (Contd)

Recent Developments in Underwater Research, by G. Lisov, 8 pp.
RUSSIAN, per, Smena, No 14, June 1966, pp. 23-25.
JPRS 37376

Special Problems in Photogrammetry, by G. B. Gonin.
RUSSIAN, bk, Spetsial'nyye Voprosy Fotogrammetrii, 1964, pp. 21-30.
FTD-HT-66-616

The Earth's Crust and the Upper Mantle of the Continents, by V. V. Belousov, 169 pp.
RUSSIAN, monograph, Zemnaya Kora i Verkhnyaya Mantla Materialov.
JPRS 37800

Hygiene Effects and Control of Dusts, Fogs, Gases, Vapours, Radioactive Particles.
GERMAN, per, Staub, Vol XXV, No 2, 1965.
CFSTI TT 66-51040/2

The Mycological Flora of Juniper Forests of the Central Part of the Turkestan Mountain Range, by Ya. I. Korbonkaya,
RUSSIAN, per, Trudy Akademii Nauk Tadzhikskoi SSR, Botanicheskii Institut, Archevye Lesa Tsentral'noi Chasti Turkestanskogo Krebta, Vol LXXIII, 1958, pp. 233-257.
CSFTI TT 65-50124

Study of the Solution of Stokes' Problem with the Proportional Error of the Order of the Square of the Earth's Flattening, by N. S. Molodenskiy,
RUSSIAN, per, Trudy Tsentral'nogo Nauchno-Issledovatel'skogo Instituta Geodezii Aerofotogrammetrii i Kartografii, No 12, 1956, pp. 13-21.
ACIC TC-1103

Ecologo-Morphological Characteristics of Early Stages of Aral Pelecus Cultratus (L.), by M. N. Gosteyeva and Ye. L. Markova, 10 pp.
RUSSIAN, per, Voprosy Ikhtologii, Vol 6, No 2 (33), 1960, pp. 237-247.
JPRS 36993

First All-Union Conference on Mineralogy, Geochemistry, and the Genesis of Wolframite Deposits of the USSR, by V. F. Barabanov, 5 pp.
RUSSIAN, per, Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva, No 1, 1966, pp. 116-118.
JPRS 36987

Scientific
Earth Sciences & Oceanography (Contd)

Device for Measuring Sea Temperature From a Moving Ship, by Yu. F. Vasil'yev and P. T. Salmov,
RUSSIAN, pat, Patent No 148,259.
Dept of Comm
Patent Office

Translations from a Collection of Selected Papers Presented at the 1963 Annual Convention of the Chinese Geographic Society -- Geomorphology, 176 pp.
CHINESE, rpt, Chung-kuo Ti-li Hsueh-hui 1963-nien Nien-hui Lun-wen Hsuan-chi -- Ti-mao-hsueh, Apr 1965, pp. 7-9, 20-23, 27-35, 35-39, 39-40, 40-41, 47-49, 49-50, 51-54, 54-60, 60-65, 66-68, 68-69, 69-73, 73-78, 78-79, 80-86, 86-87, 87-89, 90-91, 91-92, 93-94, 95-99,
JPRS 36989

Phenomena of Internal Waves in Oceans, by P'U Yung-hsiu (3184/3144/0208), 5 pp.
CHINESE, per, Hai-yang yu Hs-chao, Vol VIII, No 1, Feb 1966, pp. 79-80.
JPRS 37774

Discussions on the Dividing Zones of China's Various Palaeozoic Formations from the Viewpoint of Fossil Composition, by Sun Yan-chu, 11 pp.
CHINESE, per, Ti-chih Lun-p'ing, Vol 19, No 3, Mar 1959, pp. 99-102.
JPRS 37356

Certain Problems in Compiling Nanling Region Mineralization Pattern Maps for Colored and Rare Metals, by Kuo Wen-kuei, 17 pp.
CHINESE, per, Ti-chih Lun-p'ing, Vol 19, No 3, Mar 1959, pp. 103-109.
JPRS 37356

Geology, Structure, and Genesis Problems for a Complex Metal Deposit in the Eastern Part of Ch'i-lien-shan, by Chang Wan-lin, 24 pp.
CHINESE, per, Ti-chih Lun-p'ing, Vol 19, No 3, Mar 1959, pp. 110-120.
JPRS 37356

Development of Topography and Classification of Geomorphology for the Szechuan Basin and Border Areas, by Liu Cheng-ch'ien, 10 pp.
CHINESE, per, Ti-chih Lun-p'ing, Vol 19, No 3, Mar 1959, pp. 129-132.
JPRS 37356

Scientific
Earth Sciences & Oceanography (Contd)

Ground Reflection Problems in Tellurometer Measurements, by Sha Tzi-chung, La Sih-an. 38 pp.
CHINESE, per, Ts'c Hui Hsueh Pao (Acta Geodetica et Cartographica Sinica), Vol 7, No 3, 1964, pp 155-176. P100044466
FTD-TT-65-900

The Theoretical Problems on the Determination of Sea Gravity by Using a High-Damping Gravitometer, by Li Hsi-ch'i, 19 pp.
CHINESE, per, Ts'e-liang yu Ti-ch'iu Wu-li Chi-k'an, No 2, Nov 1965, pp. 27-37.
JPRS 37134

The Properties of Powdered Rock Phosphates in China and Their Availability upon Application to Red Earth, by Chiang Po-fan, Hsieh Chien-ch'ang, Hu Tsu-kuang and Lu Ju-k'un, 14 pp.
CHINESE, per, T'u-jang Chuan-pao, No 33, Jul 1958, pp. 51-61.
JPRS 37592

Notes on the Selective Absorption in the Earth Atmosphere. Part I. Description of the Spectrum of the Setting Sun in the Region From 4600 to 6900 A, by Jean Dufay, 19 pp.
FRENCH, per, Annales d'Astrophysique, Vol V, Nos 3-4, 1942, pp 93-113.
Dept of Navy 4886/NRL 1063

Graphic Language in Cartography, by Jacques Bertin,
FRENCH, per, Bulletin du Comité Française de Cartographie, No 2, 1966, pp 60-66.
*ACIC TC-1121

The Absolute Deflection of the Vertical in Potsdam and the Geodetic Starting Values of the Overall European Network on the Hayford Ellipsoid, by K. Ledersteger,
FRENCH, per, Bulletin Geodesique, No 23, 1952, pp 101-103.
ACIC TC-1124

Scientific
Earth Sciences & Oceanography (Contd)

The Variations of the Rotational Speed of the Earth, by Anna Stoyko.
FRENCH, rpt, Proceedings of the International Conference on Chronometry - Lausanne, Switzerland, Jun 1964, pp 189-194.
*AEC

The Aerodynamics of Hailstones, by Roland List, GERMAN, per, Zeitschrift fur Angewandte Mathematik und Physik, Vol X, No 2, 1959, pp 143-159.
100007066
AFCL T-G-244

Geodetic Use of the Hunor 131, by Gyorgy Winkler, 8 pp.
HUNGARIAN, per, Geodesia es Kartografia, Vol 18, No 3, 1966, pp. 191-194.
JPRS 37558

Activities of the Hungarian Observation Network for Artificial Satellites, by Marton Ill, 12 pp.
HUNGARIAN, per, Magyar Tudomány, No 5, May 1966, pp. 297-305.
JPRS 37127

On Reflection of Ultrasound From Discontinuous Boundaries in the Sea. Part I. Approximate Treatment of Ultrasound From the Group of Small Reflecting Bodies in the Sea, by Masami Ishida, Moritatsu Sano.
JAPANESE, per, Bulletin of the Faculty of Fisheries of Hokkaido University, Vol XII, 1962, pp 279-292.
Dept of Navy/ARL No 1066

Continental Hydrology, Vol II, Physics of Water Atmospheric Precipitation and Evaporation, by Kazimierz Debski,
POLISH, bk, Hydrologia Kontynentalna, Czesk II, Fizyka Wody, Opady Atmosferyczne i Parowanie, 1959, 547 pp.
CFSTI TT 63-11405

Cloudiness in Poland, by Wincenty Okotowicz, POLISH, per, Prace Geograficzne, No 34, 1962, pp 1-185.
CFSTI TT 65-50312

Development of Geophysics in Rumania in the Last Two Decades, by G. Atanasia, 14 pp.
RUMANIAN, per, Progresele Stiintei, Vol 2, No 4, Apr 1966, pp. 116-121.
JPRS 37359

Scientific
Electronics & Electrical Engineering

A Method for the Study of Star Image Flickering as Perturbations at the Input of the Photoelectric Slave System, by I. P. Rozhnova.
RUSSIAN, per, Ak Nauk SSSR, Institut Elektromekhaniki. Avtomatizirovannyi Elektroprivod; Sledyashchiye Sistemy, Upravleniye i Prazovatel'nyye Ustroystva, 1965, pp 87-90.
*FTD-IT-66-596

Method of Optimum Encoding of Internal States of Finite Automation, by E. B. Yershov. 25 pp.
RUSSIAN, per, Ak Nauk SSSR, Institut Problem Peredachi Informatsii. Problemy Peredachi Informatsii, No 17, 1964, pp 17-70. P100030366
FTD-IT-65-237

Antenna Tower Equipment, by Savitskiy, Georgiy Adol'fovich.
RUSSIAN, bk, Antenno-Machtovyye Sooruzheniya, 1962, pp 1-70; 98-230.
*JPRS/SF-4405

Second All-Union Conference on Generators of Low-Temperature Plasma, by L. P. Kudrin, 6 pp.
RUSSIAN, per, Atomnaya energiya, Vol 19, No 6, Dec 1965, pp. 559-561.
JPRS 37105

Using and Automatic Control Computer, by Yu. B. Arkhangel'skiy and V. A. Myasnikov, 10 p.
RUSSIAN, per, Avtomatizirovannyi Elektroprivod, July 1966, pp 128-136.
ACSI J-0388
ID 2204039266

An Azimuthal Instrument Control System Using a Digital Control Computer, by Yu. B. Arkhangel'skiy, V. A. Myasnikov. 8 pp.
RUSSIAN, rpt, Avtomatizirovannyi Elektroprivod [Akademiya Nauk SSSR, Institut Elektromekhaniki], 1965, pp 128-136.
ACSI J-0747
ID 2204046466

Dependence of the Relative Quantum Efficiency of Luminescent Zinc Oxide on the Exciting Wave Length, by F. I. Vergunna, F. F. Gavrilov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 7, 1948, pp 1273-1275.
*NASA TT F-10,390

Electro-Technical Materials, Electrical Capacitors, Lines and Cables 1962-1963. by B. M. Tareyev.
RUSSIAN, rpt, Elektrotekhnicheskiye Materialy, Elektricheskiye Kondensatory, Provoda i Kabeli 1962-1963. 157 pp, 1964.
*ACSI J-0859
ID 2204049366

Scientific
Electronics & Electrical Engineering (Contd)

Synposium in Kiev (Computer Technology and the History of Scientific and Technical Progress). RUSSIAN, per Istoriya SSSR, No 4, Jul/Aug 1966, pp 232-233.
*RAND

Conference on the Critical Path Method of Design, 5 pp.
RUSSIAN, per, Na Stroykakh Rossii, No 6, Jun 1966, pp. 23.
JPRS 37753

Some Considerations on the Structure of a Specialized Digital Computer for Language Translation, by I. S. Durgaryan and T. M. Ter-Mikaelyan, RUSSIAN, per, Nauchno-Tekhnicheskaya Informatsiya, No 2, 1964, pp 44-46.
*FTD-HT-66-583

How Electronic Computing Machines Work, by N. Kanivets. 12 pp.
RUSSIAN, per, Nauka i Tekhnika, No 2, 1965, pp 7-9; 31. P100051466
FTD-TT-65-1718

A Pneumatic Multichannel Information Transmission System With Frequency Division of Channels, by N. D. Lenin, L. A. Barskiy. RUSSIAN, rpt, Opisaniye Izobreteniya k Avtorskomu Svidetel'stvu -- 174444, pp 1-2.
1965.
*ACSI J-0846
ID 2204049566

Solution of the Basic Biharmonic Problem for a Wide Class of Regions by the Method of Summary Representations, by G. N. Polozhiy. RUSSIAN, per, Prik Mekh, Vol I, No 12, 1965, pp 1-8.
*NASA

Buried Antennas, by G. A. Lavrov and A. S. Knyazev, 34 pp.
RUSSIAN, bk, Prizemnyye i Podzemnyye Antenny, 1965, pp. 256-297.
JPRS 36945

Approximate Method for the Determination of the Natural Frequencies of Oscillation of Cylindrical, Conical, and Toroidal Shells, by I. I. Meerovich, RUSSIAN, rpt, Prochnost' i Dinamika Aviatsonnykh Dvigateli, 1965, pp 148-172.
*NASA TT-F-10,377

Scientific
Electronics & Electrical Engineering (Contd)

The Production of Automatic Instruments and Equipment, by A. N. Gavrilov, 48 pp.
RUSSIAN, per, Proizvodstvo priborov i sredstv avtomatiki, 1965, pp. 3-48.
JPRS 37,483

Utilisation of Cybernetics in Construction Operations, by P. Slipchenko, 10 pp.
RUSSIAN, per, Promyshlennoye Stroitel'stvo i Inzhenernyye Sooruzheniya, No 3, May-Jun 1966, pp. 1-3.
JPRS 37753

Data on the Use of Sector Radio-Range Beacons and the Characteristics of Operation, by Ye. Ya. Shchegolev. RUSSIAN, bk, Radiotekhnicheskiye Sredstva Morskogo Sudovozhdeniya, Chapt. XXI, 1956, pp 293-313. P500037165
Dept of Navy/NOO Tr 247

A Variable-Structure Automatic Control System with Low Sensitivity to Rapid, Broad Changes in the Parameters of the Object of Control, by S. V. Yemelyanov, M. A. Bermant and V. I. Utkin, 15 pp.
RUSSIAN, rpt, Samonastroyayushchiyesya Sistemy, 1965, pp. 126-136.
JPRS 37401

Investigation of the Transient Conditions of Electric-Power Systems by Means of Computers, by A. I. Vinogradova, Ye. G. Mikhailova, and N. K. Shuvalov, 15 pp.
RUSSIAN, per, Sudostroeniye, No 3, Mar 1966, pp. 40-45.
JPRS 37150

Brittleness Tendency of Multilayer Low-Alloy Submerged-Arc Welded Seams, by B. V. Kudoyarov, 14 pp.
RUSSIAN, per, Svarka, Sbornik Statey, No 1, 1958, pp. 38-43.
JPRS 37523

Development and Prospects of Soviet Power Engineering, by P. S. Neporozhniy, 11 pp.
RUSSIAN, per, Teploenergetika, No 6, June 1966, pp. 2-5.
JPRS 37623

A Structural Design for a Perceptron-Type Recognition Device As Part of a Fleet Operations Automatic Control System, by K. N. Denisov and Ye. N. Paravazentsev, 10 pp.
RUSSIAN, per, Trudy Avtomatizatsiya i vycislitel'naya tekhnika na morskoy flote, No 77, 1965, pp. 74-81.
JPRS 37437

Scientific
Electronics & Electrical Engineering (Contd)

Synthesis of a Discrete Perceptron, by K. N. Denisov and Ye. N. Perevezentsev, 9 pp.
RUSSIAN, per, Trudy, Avtomatizatsiya i vychislitel'naya tekhnika na morskoy flote, No 77, 1965, pp. 82-83.
JPRS 37407

The "Prokat" Computer Control Unit 1965, by N. S. Nikolayev.
RUSSIAN, per, Trudy Konferentsii Avtomaticheskoye Operativnoye Upravleniye Proizvodstvennymi Protessami, 1965, pp 134-140.
*FTD-INT-66-613

Equipment for Multiplexing the Connecting Lines of the Radio Bureaus, by V. G. Plotnikov, 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5, 1966.
JPRS 37476

Self-Supporting System Is the Basic Method of Improving The Work of a Communications Enterprise, by L. D. Zil'berberg, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5, 1966.
JPRS 37476

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Microelectronics, by A. S. Berezin, T. S. Kudryashova, L. N. Patrikeyev, V. D. Popov, V. I. Vaganov, V. A. Kuz'min, V. S. Pershenkov, I. I. Shagurin, Yu. S. Ryabinkin, 25 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya Sessiya Posvyashchennaya Dnyu Radio. Sektsiya Mikroelektroniki, 1966, pp. 3-9, 9-14, 14-20, 20-27, 27-32,
JPRS 36954

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Quantum Electronics, 95 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya Kvantovoy Elektroniki, 1966, pp. 3-4, 4-8, 9-13, 14-17, 17-23, 24, 24-27, 28-31, 31-32, 33-40, 41-48, 48-53, 53-56, 57-62, 63-68, 69-79, 79-82, 83-88, 89-94, 94-97, 98-101.
JPRS 37132

Scientific
Electronics & Electrical Engineering (Contd)

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Electronics, 145 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya Elektroniki, 1966, pp. 3-9, 10-18, 19-25, 26-27, 28-32, 33-40, 41-47, 48-54, 55, 56-62, 63-67, 68-72, 73-75, 76, 77-79, 80-87, 88-94, 95-102, 103-106, 107-110, 111, 112-116, 117-120, 121-127.
JPRS 37117

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on General Radio Engineering, 176 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya Obshchey Radiotekhniki, 1966, Moscow, pp 3-172.
JPRS 37521

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Semiconductor Devices, 73 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya Poluprovodnikovyykh Priborov, 1966.
JPRS 37114

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Radio Measurements, 32 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio. Sektsiya Radioizmereniy, 1966, Moscow, pp 3-27.
JPRS 37517

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Radio Transmitters, 28 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio. Sektsiya Radiopredayushchikh Ustroystv, 1966, Moscow, pp 3-26.
JPRS 37519

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Radio Receivers and Amplifiers, 130 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio. Sektsiya Radiopriyemnykh Ustroystv i Usiliteley, 1966, Moscow, pp 3-119.
JPRS 37520

Scientific
Electronics & Electrical Engineering (Contd)

Twenty-Second All-Union Scientific Session
Devoted to Radio Day. Section on Radio
Broadcasting, Electroacoustics and Sound
Recording, 38 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya,
Posvyashchennaya Dnyu Radio. Sektsiya Radio-
veshchaniya, Electroakustiki i Zvukozapisi,
1966, Moscow, pp 3-34.
JPRS 37516

Twenty-Second All-Union Scientific Session
Devoted to Radio Day. Section on Propaga-
tion of Radio Waves, 56 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya
Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya
Rasprostraneniya Radiovoln, 1966.
JPRS 37115

Twenty-Second All-Union Scientific Session
Devoted to Radio Day. Section on Theory and
Techniques of Transmitting Discrete Signals,
114 pp.
RUSSIAN, rpt, XXII Vsesoyuznaya Nauchnaya
Sessiya, Posvyashchennaya Dnyu Radio, Sektsiya
i Tekhniki Peredachi Diskretnykh Signalov,
1966.
JPRS 37116

Twenty-Second All-Union Scientific Session
Devoted to Radio Day. Section on Television,
71 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya
Sessiya, Posvyashchennaya Dnyu Radio.
Sektsiya Televideniya, 1966, Moscow,
pp 2-64.
JPRS 37518

Advice on the Questions of the Application
of the Regulation on the Socialist State
Production Enterprises at the Communications
Enterprises, by K. D. Lunin, 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

The Design of Attenuation Equalizers, by R. V.
Chervinskiy, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

The Effect of the Spark-Quenching Circuits on
the Contact Resistance of the Contacts, by
N. P. Truskalov, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

Scientific
Electronics & Electrical Engineering (Contd)

An Experience in the Use of a Combined Automatic
Amplification Control System Operating From a
Pilot Signal and From the Sideband Spectrum, by
A. M. Severin, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

A New Method of Organizing the Work of Technical
Personnel at Kuybyshev Telegraph Office, by
Ye. G. Ivanov, 8 pp.
RUSSIAN, per, Vestnik Svyazi, No 5, Vol XXVI,
1966.
JPRS 37476

Radio Communication, Radio Broadcasting and
Television Facilities Must Be Developed and
Improved, 6 pp.
RUSSIAN, per, Vestnik Svyazi, No 5, Vol XXVI,
1966.
JPRS 37476

The Technical Condition of Long Distance
Telephone Communication Channels Must Be
Improved, by I. P. Pctrushin, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

They Are Preparing To Manage In the New Way,
by S. G. Volkov, L. Ya. Yakovlev, 10 pp.
RUSSIAN, per, Vestnik Svyazi, No 5, Vol XXVI,
1966.
JPRS 37476

We Are Improving The Quality of Wire Broad-
casting, by A. S. Shugol', 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 5,
1966.
JPRS 37476

The Automation of Telephone Service Facilities,
by A. Z. Sudas, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI,
No 6, 1966.
JPRS 37577

Distributors for Group Wire Communication,
by Ya. Yu. Ginsburg, 9 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI,
No 6, 1966.
JPRS 37577

Preventive Monitoring on the Links of the
Direct-Connections System, by M. F.
Naddakov, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI,
No 6, 1966.
JPRS 37577

Construction of Unattended Repeater Stations
With Prefabricated Reinforced Concrete on the
Cable Main Lines, by I. Ye. Khariton, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI,
No 6, 1966.
JPRS 37577

Scientific
Electronics & Electrical Engineering (Contd)

A Procedure for Measuring the Spurious Radiations of the Transmitters, by V. A. Kats, 10 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 6, 1966.
JPRS 37577

A Set of Instruments for Locating the Insulation Breakdown in a Communication Cable, by Yu. A. Tsym, V. Ya. Sytnik, 11 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 6, 1966.
JPRS 37577

The Voice-Frequency Telegraph Equipment TT-17P2, by Yu. P. Parkhomov, A. I. Salida, 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 6, 1966.
JPRS 37577

The Wire-Broadcasting Network Has to be Developed, by A. M. Il'in, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 6, 1966.
JPRS 37577

Communications Workers -- To the Working People of Krivoy Rog, by L. Ya. Rivin, 13 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

Crossbar System PSK-1000 for City Telephone Sub-Offices, by I. Kh. Novshovich, A. L. Moroz, 11 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

Editorial. On the Main Directions of the Development of the Communications Network in the New Five-Year Plan, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

The Long Distance Telephone and Telegraph Communication Facilities at the Service of the Population, by I. P. Petrushin, 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

Mechanization of Bookkeeping at the Communications Enterprises, by P. P. Slobozhanskiy, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

On the New Procedure of Determining the Output at the Telegraph Offices Using the Direct-Connections System, by N. M. Sil'chenkov, V. I. Kochemasova, 7 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

Scientific
Electronics & Electrical Engineering (Contd)

The Organization of Technical Operation of the City Telephone Exchanges Has To Be Improved (All-Union Conference of the Workers of City Telephone Exchanges, 19 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPTS 38005

Protection of Communication Cables in Aluminum Sheathing from Corrosion, by K. K. Nikol'skiy, 6 pp.
RUSSIAN, per, Vestnik Svyazi, Vol XXVI, No 7, 1966.
JPRS 38005

New Method for Determining the Dynamic Characteristics of Automatic Control Plants, by L. I. Voronova, Y. V. Kremetulo.
UKRAINIAN, per, Avtonatika, No 2, 1966, pp 3-7.
*Dept of Navy/APL/JHU J-855

Discussion on the Problem of Scored Cylinders, by Chang Hung-ch'uan, 10 pp.
CHINESE, per, Ch'i-ch'e, No 2, 12 Feb 1966, pp. 11-14.
JPRS 37454

A Test Stand for Testing Ignition Systems, by Yang Wen-k'ai (2799/8001/0418) and Li Wen (2621/2429), 5 pp.
CHINESE, per, Ch'i-ch'e, No 3, 12 Mar 1966, pp. 19-20.
JPRS 37566

The Correlation Technique and Its Application, by Lu Tao-cheng (7120 6670 2398), 14 pp.
CHINESE, per, Tien-tzu Chi-shu, No 3, Mar 1966, pp. 5-9.
JPRS 37468

The Successful Trial Manufacture of a 24-Digit Analog Computer, 8 pp.
CHINESE, per, Tien Shih-chieh, No 5, May 1966, pp. 167-170.
JPRS 37272

The Scanning Testing and Data Processing Installation, by Hung Sung (6300 3247), 10 pp.
CHINESE, per, Tien-tzu Chi-shu, No 3, Mar 1966, pp. 13-16.
JPRS 37468

One Method of Realization of Wide-Band 90° Phase Shift Networks, by Wang Jun-sheng, Hsieh Ch'un-p'ei, T'sui Hsun and Hsu I-chien, 11 pp.
CHINESE, per, Tien-tzu Hsueh-pao, No 1, Mar 1966, pp. 3-10.
JPRS 37134

Scientific
Electronics & Electrical Engineering (Contd)

The Realization of the Coding Pulse Compression with Multiple-Tapped Delay Lines, by Fu Chi-chung and Wang Mo-li, 12 pp.
CHINESE, per, Tien-tzu Hsueh-pao, No 1, Mar 1966, pp. 26-33.
JPRS 37134

A. C. Regenerative Three Tubes Radio, by Feng Wen-yu (7458 1354 1946), 5 pp.
CHINESE, per, Wo-hsien-tien, No 11, Nov 1965, pp. 20-21.
JPRS 37432

The ISKRA-2-23 V Electronic Computing Machine, by Miodrag Stuparski, 21 pp.
CROATIAN, per, Elektrotehnicki Vjesnik, No 3-5, 1965-1966, pp. 32-38.
JPRS 37824

A Time Variable Band Pass With Pulse Control, by Jiri Zima, Frantisek Hejsik.
CZECH, per, Slaboproudny Obzor, No 7, 1965, *ACSI I-8854
ID 2204050766

Thermal Compensation of Hall Generators by Means of Thermistors, by Jan Michalek.
CZECH, per, Slaboproudny Obzor, No 7, 1965.
ACSI I-8854
ID 2204050766

Graphic Determination of the Capacitance Response in Transducers With a Non-Homogeneous Dielectric, by Vladimir Ruzek.
CZECH, per, Slaboproudny Obzor, No 8, 1965, pp 484-486.
ACSI I-9425C

Methods for the Systematic Study of Magnetic Wells, by J. Andreoletti. 5 pp.
FRENCH, per, Compt. Rend., Vol 257, 1963, pp 1235-1237.
AEC CLM- tr 1

The Investigation of Higher-order Transformations by Thermal Analysis (Excerpts from), by Jean Jaffray.
FRENCH, per, J. Rech. Cent. Nat. Rech. Sci. Lab. Bellevue (Paris), Vol 1, 1946-1947, pp 161-162.
*AEC

Scientific
Electronics & Electrical Engineering (Contd)

Monte-Carlo Method - Codes for the Study of Criticality Problems on IBM-7094, by Jean Moreau, et al.
FRENCH, rpt, Methode de Monte-Carlo - Codes pour l'etude des Problemes de Criticite (IBM-7094)
*AEC ORNL-tr-1367

Antistatic Electric Wire,
FRENCH, pat, Patent No 74223 to 1,205,158.
Dept of Comm
Patent Office

Moldings of Synthetic Material for Channeling and Protecting Electric Wiring, by Albert E. Mayere,
FRENCH, pat, Patent No 1,089,607.
Dept of Comm
Patent Office

Interference - Eliminating Electric Wire,
FRENCH, pat, Patent No 1,205,158.
Dept of Comm
Patent Office

Derivation of the Laws of Force for all Magnetic and All Electrical Sound Transducers From one General Law for Each Kind, by F. A. Fischer.
GERMAN, per, Acustica, Vol III, 1953, pp 441-448.
*Dept of Navy/NRL

Small Signal and Noise Equivalent-Circuit of Germanium UHF Transistors at Small Current Densities by Werner Thommen, Max J. O. Strutt.
GERMAN, per, Archiv der Elektrischen Übertragung, Vol XIX, No 4, 1965,
ACSI J-0588
ID 2204042966

A New Method for Solving Technical Eigenvalue Problems, by R. Grammel, 17 pp.
GERMAN, per, Ingenieur-Archiv, Vol X, 1939, pp 35-46.
*Dept of Navy/DTMB T-335

Amplification Variations in Photomultipliers of Type VALVO 56 AVP, by H. Schneider, C. Weingardt.
GERMAN, per, Nuclear Instruments and Methods, Vol XL, No 2, pp 305-308, 1966.
*Dept of Navy/NRL

Scientific
Electronics & Electrical Engineering (Contd)

The Use of Digital Computers for Process Control, by E. Fiebig.
GERMAN, per, Stahl Eisen, Vol 86, June 30, 1966, pp 818-830.
BIBI 5037

Influence of the Size of the Casing and the Arrangement of the Ventilation Openings on the Cap Temperature of Mercury Vapour High-Pressure Lamps HBO 500 W and HBO 200 W, by H. J. Faehnrich.
GERMAN, per, Tech. Wiss. Abhand. Osram-Ges, No 8, 1963, pp 248-256.
AEC NP-tr-1220

On the Disposition of Radioiodine in Filters of a Small Reactor Circuit Device, by J. Hacke. 28 pp.
GERMAN, rpt, Über die Abscheidung von Radiojod im Atemfilter des Auer-Reaktorfluchtgeräts, Feb 1966.
*AEC

Measurements of Pressure Curve Behind Obstacles in Passages, by H. Reichenbach.
GERMAN, per, Wissenschaftlicher Bericht, No 13, 1963, pp 1-28.
Dept of Navy Tr 4921/ONI 2223

Anodic Oxidation of Iodide at Rotating Disk Electrodes, by Rolf Landsberg, Reinhard Nitzsche.
GERMAN, per, Wiss. Z. Tech. Hochsch. Chem. Leuna-Merseburg, Vol 6, No 2, 1964, pp 100-102.
P911029166
AEC ORNL tr-1245

Programming of Non-Numerical Problems, by P. Braffort, D. Hirschberg, et al.
ITALIAN, rpt. 1964. P911030466
AEC tr-6752

The Photovoltaic Method of Measuring the Specific Resistance of Epitaxial Layers, by K. Piotrowski J. Swiderski. 5 pp.
POLISH, per, Przegląd Elektroniki, No 1, 1965, pp 39-41. P100020566
FTD-TT-65-1957

Analysis of Designs of Frequency Speed Controls for AC Motors by Means of Silicon Controlled Rectifier Circuits, by S. Bielawski, et al.
POLISH, per, Przegląd Elektrotechniczny, No 8, 1965, pp 303-307.
*FTD-HT-66-605

Current Measurements of an Electron Bundle, by Stanislaw Michalak.
POLISH, per, Zesty Nauk. Uniw. Lod. Ser II, Vol 17, 1964, pp 69-71.
*AEC ORNL tr 1383

Scientific
Electronics & Electrical Engineering (Contd)

Electrophotometer for Measurements of Light Bundles of Very Low Intensity, by Stanislaw Michalak, et al.
POLISH, per, Zesty Nauk Uniw. Lodz. Ser II, Vol 17, 1964, pp 73-75.
*AEC ORNL tr-1384

An Electronics Company in Focus, 5 pp.
PORTUGUESE, per, Radiotecnica, No 183, July-August-Sept 1965, pp 38-40.
DIA LN 160-66

General-Purpose Computer Developed in Rumania, by M. Davidovici, A. Iancu and A. Weiss, 8 pp.
RUMANIAN, per, Energetica, Vol 14, No 5, May 1966, pp. 221-224.
JPRS 37403

Electrical Network System of Lower Egypt, 200kv, by M. Milivanovic, 7 pp.
SERBO-CROATIAN, per, Elektroprivreda, Vol XIX, No 1/2, Jan/Feb 1966, pp 44-46.
DIA LN 500-66

Assaying Optimum Parameter Values of One-Stage Systems of Processing Operative Information, by A. S. Podakov, 7 pp.
UKRAINIAN, per, Avtomatyka, Vol 10, No 3, 1966, pp. 35-41.
JPRS 37627

Energy Conversion (Non-propulsive)

Magnetohydrodynamic Generator, by V.N. Garbuzov.
RUSSIAN, Patent 175583, 5 Jun 1964.
*FTD-HT-66-602

The Output Power and Duration of Generation of a Ruby Optical Quantum Generator as a Function of the Pumping, by R. I. Gintoft, A. M. Sarzhevskiy.
RUSSIAN, per, Dokl Ak Nauk Belorus, Vol IX, No 9, 1965, pp 578-580.
Dept of Navy 4820/APL/JHU TG 230-T479

Increasing the Efficiency of Turbine Delivery Systems, by D. I. Morozov.
RUSSIAN, per, Energomashinostroenie, No 5, 1965, pp 35-37.
T.I.L. Tr No T 5661

Scientific
Energy Conversion (Non-propulsive) (Contd)

Electric Power in the Future, by V. Popkov,
L. Artsimovich, et al. 28 pp.
RUSSIAN, per, Nauka i Zhizn', No 5, 1964,
pp 8-26,
ACSI J-0606
ID 2204044266

Energy Spectrum of PI-Electrons in
Long Chains of Conjugated Bonds, by
B. Khao, D. Lyu.
CHINESE, per, Chung Kuo K'o Hsueh,
Vol X, No 6, 1961, pp 653-675.
*FTD-MT-66-27

Reliability of Batteries, by J. Kubes.
CZECH, per, Sdelovaci Technika, 1966,
No 4.
*ACSI J-0904
ID 2204050666

Kinetic Energy of Positive Thermions of Some
Halides, by C. Tudor.
FRENCH, per, Bulletin de la Section Scientifique
Academie Roumaine, Vol 17, 1935, pp 111-115.
*AEC

Foundations of A Theory of the Wet-Steam Turbine,
by Georg Gyarmathy. 274 pp.
GERMAN, rpt, Grundlagen Einer Theorie Der Nass-
dampfturbine, Zurich, 1962. Revised Edition
P100067166-V
FTD-TT-63-785

Relation Between the Constant A and the
Activation Energy E in the Conductivity
Law of Semi-Conductors, by G. Busch.
GERMAN, per, Helvetica Physica Acta,
Vol XIX, No 3, 1946, pp 189-198.
*NASA

Effect of Lignin on the Negative Plates of Sin-
tered-type Alkaline Storage Batteries, by
Daijiro Yamashita, et al.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 67, No 4,
1964, pp 536-539.
*AEC

Scientific
Materials

Aluminum Alloy Research in the USSR, by I. N.
Fridlyander, 430 pp.
RUSSIAN, bk, Alyuminiyevyye Splavy, Vypusk 4,
Zharoprochnyye i Vysokoprochnyye Splavy, No 4,
1966, pp 3-352.
JPRS 37845

Thermoresistant Elastic Moisture-Proof Coat-
ing for Lumber, by B. N. Uglev,
RUSSIAN, per, Derevoobrabatyyvayushchaya Promy-
shlennost', Vol IX, No 10, 1960, pp 9-10.
CFSTI TT 66-51095

Forward Slip in the Rolling of Strip From
Metal Powders, by V. P. Severdenko, E. B.
Lozhechnikov.
RUSSIAN, per, Doklady Akad. Nauk. BSSR,
Vol 7, No 4, 1963, pp 244-246.
BISI 4912

Studies in Electrical Discharge Machining of
High-Strength Metals and Alloys, by M. A.
Lyapunov, Ye. L. Tsenta and E. P. Yufa, 19 pp.
RUSSIAN, bk, Elektroimpul'snaya Obrabotka
Vysokoprochnykh Metallov i Splavov, 1965,
pp. 127-143.
JPRS 37118

Electric-Pulse Machining of Metals and Alloys,
by M. A. Lyapunov, Ye. L. Tsenta, and E. P.
Yufa, 33 pp.
RUSSIAN, bk, Elektroimpul'snaya Obrabotka
Metallov i Splavov, 1965.
JPRS 37912

Model EFI-Elektrom Machine for the Electrospark
Alloying of Metallic Surfaces, by N. I.
Lazarenko, S. P. Fusov, 7 pp.
RUSSIAN, per, Elektronnaya Obrabotka
Materialov, No 3, 1965.
JPRS 37414

Investigation of the Process of Metal Erosion
in an Air Medium, by A. I. Kruglov, E. M.
Strygin, 7 pp.
RUSSIAN, per, Elektronnaya Obrabotka
Materialov, No 3, 1965.
JPRS 37414

The Influence of Technological Regimes of
Mechanized Electrospark Alloying on the
Quality of the Obtained Surface, by Yu. N.
Petrov, L. I. Dekhtyar', 7 pp.
RUSSIAN, per, Elektronnaya Obrabotka
Materialov, No 3, 1965.
JPRS 37414

Scientific
Materials (Contd)

Electrospark Machining of Metals, by I. N. Rubtsov, 24 pp.
RUSSIAN, per, Elektronnaya Obrabotka Materialov, No 3, 1965,
JPRS 37414

Electrocracking of Liquid Organic Raw Material, by N. S. Pechuro, A. N. Merkur'yev, 20 pp.
RUSSIAN, per, Elektronnaya Obrabotka Materialov, No 3, 1965.
JPRS 37414

Analysis of Devices for the Automatic Tracing of Contours in the Electrospark Treatment of Metals, by K. K. Gularyan, 26 pp.
RUSSIAN, per, Elektronnaya Obrabotka Materialov, No 3, 1965.
JPRS 37414

Electrovacuum Materials -- Assortment and Use, by M. A. Lebedinsky, 35 pp.
RUSSIAN, bk, Elektrovakuumnyye Materialy, Metall i Splavy, 1966.
JPRS 37911

Properties of Iron Purified by Electron-Beam Zone Melting, by V. I. Shirayev and V. D. Pautov, 5 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye, Vol 20, No 4, Oct 1965, pp. 566-569.
JPRS 37746

Lift Force in the Presence of Cavitation, by G. V. Logvinovich, 27 pp.
RUSSIAN, per, Inzhen Zhur, Vol V, No 3, 1965.
Dept of Navy 4816/DTMB T-331

The Properties of Alloys of the System Niobium-Tungsten-Titanium, by D.A. Prokoshkin, E.V. Vasil'eva.
RUSSIAN, per, Issled. Po Zharoproch. Splavam, Akad. Nauk SSSR, Inst. Met., Vol 10, 1964, pp 219-225. P921051566
AEC MLN-tr-1343

Basic Forms of Deformational Microrelief Appearing at Elevated Temperatures in Polycrystalline Metals With Face-Centered Cubic Lattice Structure, by M. G. Lozinskiy.
RUSSIAN, per, Izv. Akad. Nauk SSSR, Otd. Tekh. Nauk, Met. Toplivo, No 1, 1962, pp 105-126.
*AEC 2436

Scientific
Materials (Contd)

Damping of Surface Waves by Surface Active Agents, by A. Sheludko, et al.
RUSSIAN, per, Izv. Inst. Fizikokhim Bulgarska Akad. Nauk, Vol 4, 1964, pp 147-154.
*AEC

Oxygen Content in Open-Hearth Steel as a Function of Technological Factors, by A. A. Kazakov et al.
RUSSIAN, per, Izv. VUZ Chern. Met., No 11, 1964, pp 59-65.
*BISI 5112

Calculation of Heat Abstraction in Secondary Cooling Zone of Continuous Casting Plants for Steel, by A. D. Akimenko.
RUSSIAN, per, Izv. VUZ Chern. Met., No 1, 1965, pp 155-158.
*IB 6965

Minimizing the Amount of Scale and Non-metallic Inclusions in Castings of 18-9 Ti Steel, by B. B. Gulyaev, A. V. Kuzin.
RUSSIAN, per, Izvest VUZ Chern. Met., Vol 8, No 2, 1965, pp 142-147.
*IB 6831

Effect of the Second Phase on the Structural Mechanism of Austenite Grain Formation, by N. N. Lipchin.
RUSSIAN, per, Izv. VUZ Chern. Met., No 3, 1965, pp 146-151.
*BISI 5113

Changes in Strength of Fluxed Sinters in Relation to Mineralogical Composition and Microstructure, by V. P. Kossova, N. E. Komarova.
RUSSIAN, per, Izv. VUZ Chern. Met., No 4, 1965, pp 59-64.
*BISI 4757

Production of Three-Layer Steel, by I. G. Lavrent'ev, G. P. Poyarkov.
RUSSIAN, per, Izv. VUZ Chern. Met., No 8, 1965, pp 38-40.
*BISI 4910

Behaviour of Gases in the Solidification of Ingots of Rimming Steel, by A. Kh. Urazgil'deev, et al.
RUSSIAN, per, Izv. VUZ Chern. Met., No 8, 1965, pp 44-49.
*BISI 5075

Scientific
Materials (Contd)

Mechanism of the Oxidation of Impurities
in the Converter Bath, by L. V. Tsykin,
G. N. Oiks.
RUSSIAN, per, Izv. VUZ Chern. Met., No 9,
1965, pp 63-68.
*BISI 5079

Strengthening of High Manganese Steel
by a Combination Thermomechanical Treat-
ment, by L. I. Tushinskiy, et al.
RUSSIAN, per, Izvest. VUZ Chern. Met.,
Vol 8, No 12, 1965, pp 114-115.
HB 6804

The Oxidation of Metal on Blowing with a
Jet, by S. S. Volkov et al.
RUSSIAN, per, Izv. VUZ Chern. Met., No 5,
1966, pp 40-44.
*BISI 5150

The Effect of Aluminium on the Nature and
Distribution of Non-Metallic Inclusions
in 18t Ingots of Rimming Steel, by M. I.
Vainshtok.
RUSSIAN, per, Izv. VUZ Chern. Met., No 5,
1966, pp 45-50.
*BISI 5151

Special Features of the Carbon Elimination
From C-Cr Melts when Blowing Gases Through
Them, by G. O. Neigebauer, et al.
RUSSIAN, per, Izv. VUZ Chern. Met., July
1966, pp 73-76.
*HB 6955

Sealing Resistance of 20% Cr, 80% Ni
Alloy Kh20Ni80 with Additions of Lanthanum
and Cerium, by E. G. Ivanov, B. K. Opara.
RUSSIAN, per, Izvest. VUZ Chern. Met.,
No 7, July 1966, pp 77-79.
HB 6939

Surface Impregnation [of Iron and Iron-
Based Alloys] with Boron and Titanium,
by G. V. Zemskov, et al.
RUSSIAN, per, Izv. VUZ Chern. Met., July
1966, pp 138-142.
*HB 6956

Structure of Surface Impregnated Carbon-
Antimony Steel, by L. N. Rastorguev, et al.
RUSSIAN, per, Izv. VUZ Chern. Met., July
1966, pp 143-146.
*HB 6957

Scientific
Materials (Contd)

Adhesion Processes in the Pelletizing
Iron Ores with Addition of Fuel Oil,
by D. A. Kevalev, E. I. Sulimenko.
RUSSIAN, per, Izv. VUZ Chern. Met.,
No 8, 1966, pp 38-41.
*HB 6969

Minimizing the Harmful Effect of Phosphorus
on the Properties of Cast 13% Mn Steel,
by N. G. Davydov.
RUSSIAN, per, Izv. VUZ Chern. Met., No 8,
1966, pp 63-66.
*HB 6970

Corrosion Resistance of Steel Used for
Steelmaking and Processing Equipment,
by M. A. Tytkin.
RUSSIAN, per, Izv. VUZ Chern. Met., No 8,
1966, pp 141-145.
*HB 6968

Deoxidation of Iron-Chromium Alloys Under
Vacuum, by B. D. Nikolayev et al.
RUSSIAN, per, Izvest. VUZ Chern. Met.,
Vol 9, No 5, 1966, pp 51-56.
HB 6908

Influence of Size and Amount of Return
Fines on Sinter Plant Productivity and
Sinter Strength, by B. M. Novositskiy.
RUSSIAN, per, Izvest. VUZ Chern. Met.,
Vol 9, No 7, 1966, pp 35-39.
HB 6522

Regularities in the Hardening and Damage
Accumulation in the Process of Cyclic
Loading of Low-Carbon Steel, by
N. N. Vasserman, V. A. Gladkovskiy.
12 pp.
RUSSIAN, per, Iz VUZ Ministerstva Vysshogo
i Srednego Spetsial'nogo Obrazovaniya SSSR-
Seriya Mashinostroyeniye, No 2, 1965, pp 68-77.
ACSI J-0625
ID 2204044366

A Single-bath Method of Bleaching Cotton Fabrics
by Highly Stable Solutions of Hydrogen Peroxide
in Kiers, by N. E. Ferorova and P. V. Moryganov,
RUSSIAN, per, Izvestiya VUZ, Tekhnol. Tekstil.
Prom., No 4(17), 1960, pp 129-137.
ATS RJ-2985

Scientific
Materials (Contd)

Calculation of Pressure of Metal on the
Rolls During the Rolling of Bimetal, by
A. S. Gulyaev, K. M. Rakov.
RUSSIAN, per, Izv. VUZ Tsvetnaya Met.,
No 2, 1965, pp 140-146.
BISI 4916

Filtering Equipment, by B. N. Borisoglebskiy.
22 pp.
RUSSIAN, per, Khimicheskoye i Neftyanoye
Mashinostroyeniye, No 5, May 1966,
pp 24-28; 35-37.
ACSI J-0541
ID 2204042266

Gas-Turbine Units for the Lumber Industry
by A. V. Morozov.
RUSSIAN, per, Lesnaya Promyshlennost',
No 9, 1965, pp 25-27
*ACSI J-0871
ID 2204049866

Fundamental Views of Deformation of Micro-
contours Originating on Surfaces of Samples of
Commercial Iron in the Process of Testing for
Fatigue by Heating in a Vacuum, by M. G. Lozinskiy
RUSSIAN, per, Mashinovedenie, No 3, 1965,
pp 56-65.
*AEC 2437

Vane-Type Meters for Petroleum Products,
by N. G. Agabekov, et al. 5 pp.
RUSSIAN, per, Mashiny i Neftyanoye
Oborudovaniye, No 6, June 1966, pp 28-31.
ACSI J-0798
ID 2204048466

Soldering Titanium Alloys for Medical Equipment,
by N.F. Belavin, V. G. Shakhmatov. 6 pp.
RUSSIAN, per, Meditsinskaya Promyshlennost SSSR,
No 5, 1964, pp 51-53. P100026966
FTD-TT-65-1998

Surface Roughness and Rheological Properties
of Adhesives as Factors Determining Optimum
Thickness of Glue-Line, by V. Khrulev.
RUSSIAN, per, Mekh. Polimerov, No 6, 1965,
pp 103-107.
BISI 4950

Metals With Finely Distributed Nonmetallic
Additions, by A. R. Palma.
RUSSIAN, per, Metall, Vol XIV, 1960,
pp 421-424.
*NASA

Scientific
Materials (Contd)

Economics of Utilization of Metallurgical
Slags. Steelmaking Slags, by V. I. Dovgopol.
RUSSIAN, bk, Metallurgiya, 1964, pp 69-96,
101-106.
BISI 4584

Lithium Corrosion of Metals, 41 pp.
RUSSIAN, bk, Metallurgiya i Metallovedeniye
Christykh Metallov, No V, 1966.
JPRS 37701

Tasks of Nonferrous Metallurgy in Kazakhstan,
by V. Bereza, 7 pp.
RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana,
No 5, May 1966, pp. 3-6.
JPRS 37302

Relationship Between Structure and Properties
in Pyroceramics of the SiO₂ - Al₂O₃ - MgO
System by G. S. Bogdanov, P. I. Litvinov, 5 pp.
RUSSIAN, per, Neorganicheskiye Materialy,
Vol I, No 11, 1965, pp 2005-2008.
ACSI J-0746
ID 2204046366

Combination of High Temperature Plastic Deformation
With Quenching, by M. G. Lozinskiy.
RUSSIAN, rpt. New Processes of Pressure Treatment
of Metals, Moscow, 1962, pp 85-95.
*AEC LB/G/2438

The Behavior of Definite Nitrides in Titanium
and Zirconium by the Determination of Nitrogen,
by W. Fischer, D. Steinruecken.
GERMAN, per, Nitrogen in Metals, pp 81-89.
P911045566
AEC IS-tr-37

The Crevice Corrosion and Pitting of Stainless
Steels in Chloride Solutions at Temperatures up
to 100°C, by M.N. Fokin, M.M. Kurtepov, et al.
RUSSIAN, rpt. Paper Presented at the First International
Symposium on Water Desalination, 3-9
Oct, 1965, Washington D. C., No SMO/63.
P911021166
ABCTr-6738

INASH-II Equipment for the Investigation of
Mechanical Properties of Sheets Under Uni-
lateral Heating, by M. G. Lozinskiy.
RUSSIAN, mono, Peredovoi Nauchno-Tekhnicheskii
i Proizvodstvennyi Opyt, No 32-63-51/1, 1963.
*AEC 2442

Scientific
Materials (Contd)

Thermodynamic Stability of Monogarbides of Transient Metals of IV-VI Subgroups, by R. G. Avarbe. 18 pp.
RUSSIAN, per, Poroshkovaya Metallurgiya, No 2, 1965, pp 41-49. P100027466
FTD-TT-65-1382

Propagation of Elastic Waves from a Cylindrical Cavity to an Anisotropic Nonhomogeneous Plate, by V. D. Kubenko.
RUSSIAN, per, Prikl. Mekh., Vol 1, No 2, 1965, pp 25-33.
*AEC

Equations for the Relation Between the Stresses and Strains in Fiberglass, by G. A. Van Fo Fy.
RUSSIAN, per, Prikladnaya Mekhanika, Otdeleniye Matematiki Mekhaniki i Kibernetki An Ukr SSR, Vol 1, No 2, 1965, pp 110-115.
*NASA TT F-10,379

The Role of Structural Factors in the Solution of the Problem of Strength of Metals and Alloys Designed for Service at High Temperatures
RUSSIAN, rpt, Processes of Strengthening Parts of Machinery, Moscow, 1964, pp 14-26.
*AEC LB/G/2441

Niobium-Cobalt Phase Diagram, by A. K. Shurin, G. P. Dmitrieva.
RUSSIAN, per, Sb. Nauchn. Rabot Inst. Metallofiz, Akad. Nauk UkrSSR, No 18, 1964, pp 175-177.
9233405
AEC IS-tr-36

Investigation of the Influence of Ketatin and Glue Retarders on the Properties of Gypsum Hemihydrate, by S. A. Krzheminskiy,
RUSSIAN, per, Sbornik Trudov Resp. Nauchno-Issledovatel. Inst. Nestnykh Stroitel. Materialov, No 16, 1959, pp 90-99.
ATS RJ-2963

Evaluating Properties of the Heat-Affected Zone in Structural Steels, by S. S. Shurakov, I. V. Gorynin and N. A. Elinov, 14 pp.
RUSSIAN, per, Svarka, Sbornik Statey, No 1, 1958, pp. 144-155.
JPRS 37523

Scientific
Materials (Contd)

Improving Existing and Creating New Types of Petroleum Containers, by S. K. Zabolotskiy, A. N. Kruglov, et al. 7 pp.
RUSSIAN, per, Transport i Khraneniye Nefti i Nefteproduktov, No 4, April 1965, pp 13-16.
ACSI J-0789
ID 2204048266

An Investigation of the Structure of a Hardened Low Carbon Steel Under the Electron Microscope, by K. F. Starodubov, et al.
RUSSIAN, per, Trudy Akad Nauk Ukrain SSR Inst. Chern. Met., Vol 13, 1960, pp 242-245.
*BISI 5137

Polyster-Based Plasticizers for Nitrile Rubbers, by S. S. Spasskiy and N. A. Obolonskaya, et al,
RUSSIAN, per, Trudy Instituta Khimii, Akademiya Nauk SSSR, Ural'skiy Filial, No 3, 1959, pp 33-41.
CFSTI TT 66-51116

Various Methods of Analysis of Sandwich Plates With Bending and Their Comparison by Experiment, by A. A. Nikishin. 17 pp.
RUSSIAN, per, Trudy Inzhenerno-Stroitel'nyy Institut. Sterzhni i Plastinki, No 44, 1963, pp 103-118. P100030066
FTD-MT-65-288

Methods of Complex Evaluation of Optical Lubricants, by R. A. Levento. 12 pp.
RUSSIAN, per, Trudy, Moscow. Institut Neftekhimicheskoy i Gazovoy Promyshlennosti, No 44, 1963, pp 251-257. P100020266
FTD-TT-65-1506

Operation of Cascade Contact Seals, by A. M. Yevtushenko. 22 pp.
RUSSIAN, per, Trudy Moscow. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Zheleznodorozhnogo Transporta, No 282, 1964, pp 123-142.
P100052266
FTD-MT-66-281

Thermal Fatigue of Heat-Resistant Materials Under Conditions of Uniaxial Stressed State, by L. P. Nikitina. 12 pp.
RUSSIAN, per, Trudy Nauchno-Tekhnicheskoye Obshchestvo Mashinostroitel'noy Promyshlennosti, Tsentral'noye Pravleniye. Voprosy Mekhanicheskoy Ustaloosti, Izvto Mashinostroyeniye, 1964, pp 226-233. P100027366
FTD-TT-65-1364

Scientific
Materials (Contd)

Fourth Congress of the Scientific and Technical Society of Non-Ferrous Metallurgy, by Yu. T. Skorniyakov, 10 pp.
RUSSIAN, per, Tsvetnyye Metally, No 2, Feb 1966, pp. 90-97.
JPRS 37703

Mechanical Properties and Structure of Cold Extruded Aluminum Alloy Tubes and Rods, by V. P. Kozlovskaya, I. M. Babykina and R. N. Rad'kova, 7 pp.
RUSSIAN, per, Tsvetnyye Metally, No 9, Sept 1965, pp. 67-71.
JPRS 37525

Parameters for Rolling Structural Steel-Aluminum Bimetals, by V. D. Korshchikov, 7 pp.
RUSSIAN, per, Tsvetnyye Metally, No 10, Oct 1965, pp. 79-83.
JPRS 37525

Rolling Titanium-Steel Bimetal in a Vacuum and in an Inert Medium, by F. Ye. Dolshenkov, Yu. I. Krivososov, L. A. Zakharov, 6 pp.
RUSSIAN, per, Tsvetnyye Metally, No 6, June 1966, pp. 77-80.
JPRS 37525

Bonding Strength of Aluminum AMg6-Steel Kh18N10T Bimetal Layer, by V. K. Korol' and N. D. Lukashkin, 6 pp.
RUSSIAN, per, Tsvetnyye Metally, No 6, Jun 1966, pp. 80-82.
JPRS 37525

Effect of Ultrasonic Vibrations on the Structure of Molybdenum Subjected to Electron-Beam Melting, by G. F. Zaboronok, V. B. Milova, M. D. Polyakova, T. V. Simonishvili, 5 pp.
RUSSIAN, per, Tsvetnyye Metally, No 7, Jul 1966, pp. 83-85.
JPRS 37746

Oxidation Rate of Iron Heated for a Short Time in Carbon Dioxide, by V. I. Tikhonirov, N. I. Vasil'yeva.
RUSSIAN, per, Vestnik Leningradskogo Universiteta, No 16, 1965, pp. 113-118.
*BISI 5109

Preparation of Fluorinated Hydrogen Containing Nitromethanes, by I. V. Martynov, et al.
RUSSIAN, Patent: No 159821, 21 Jul 1962.
*FTD HT-66-625

Scientific
Materials (Contd)

Copper-Manganese Self-Fluizing Solder by V. V. Orlova, S. V. Lashko, et al.
RUSSIAN, Patent: No 128271, Class 49h, 26⁰¹ Application No 618501/25, 6 Feb 1959, 1 pp.
*FTD HT-66-626

Vacuum Processing of Liquid Steel, by Han Yao-wen (7280 5069 2429), 22 pp.
CHINESE, per, ACTA METALLURGIA SINICA, Vol IX, No 2, Apr 1966.
JPRS 37468

More on Scored Cylinders, by Chou Nung-hsiang, 6 pp.
CHINESE, per, Ch'i-ch'e, No 2, 12 Feb 1966, pp. 14-15.
JPRS 37454

My Views on Scored Cylinders, by Chang Chao, 7 pp.
CHINESE, per, Ch'i-ch'e, No 2, 12 Feb 1966, pp. 16-17.
JPRS 37454

Techniques of Repair Using Epoxy Resins, by Chang Cheng-ts'e and Wang Lien-chung, 8 pp.
CHINESE, per, Ch'i-ch'e, No 2, 12 Feb 1966, pp. 23-25.
JPRS 37454

A Boring Machine for Differential Cases and Reduction Boxes, by the Engine Department of the Chang-chia-k'ou Transportation Corporation, 8 pp.
CHINESE, per, Ch'i-ch'e, No 3, 12 Mar 1966, pp. 15-16.
JPRS 37566

A Test Stand for Magnetically-Loaded Grinding Operations on Steering Gear, by Ningpo Repair Plant, 9 pp.
CHINESE, per, Ch'i-ch'e, No 3, 12 Mar 1966, pp. 17-19.
JPRS 37566

The Use of Double Torches for Welding Cast Iron Pieces, by the Production Technology Group of the Repair Shop of Out-of-Town Transportation Co., 6 pp.
CHINESE, per, Ch'i-ch'e, No 5, 12 May 1966, pp. 37-39.
JPRS 37566

Scientific
Materials (Contd)

An Experiment on Prolonging the Period of Motor Oil Change, by the Tsingtao Automobile Transportation Co., 7 pp.
CHINESE, per, Ch'i-ch'e, No 5, 12 May 1966, pp 42-43.
JPRS 37566

Discovery of Nickel Deposit in Southern Hunan, by Chen Mao-yu, 5 pp.
CHINESE, per, Ti-chih Lun-p'ing, Vol 19, No 3, Mar 1959, pp. 121-122.
JPRS 37356

The Use of Protective Slags for Casting of Killed Steel, by E. Bernart, V. Cerny.
CZECH, per, Hutn. Listy, Vol 20, No 12, 1965, pp 842-850.
BISI 4994

Segregation of Heavy Rimmed Steel Ingots, by A. Salak.
CZECH, per, Hutn. Listy, No 7, 1966, pp 453-457.
*IB 6943

The Growth of the Importance of Loading Shove's in Earthwork by Antonin Vanek, 12 pp.
CZECH, per, Mechanizace, April 1966, pp 57-62.
ACSI J-0539
ID 2204042066

A Statistical and Metallographical Study of Mechanical Properties of Ferritic Magnesium Cast Iron, by A. A. Gupta, 8 pp.
CZECH, per, Slovarenstvi, Vol 12, No 8, 1964, pp 310-318. P100051566
FTD-TT-65-1823

The Effects of Interruptions on the Results of Long-Term Creep Tests, by R. Pokorny.
CZECH, per, Strojirenstvi, Vol 14, No 10, pp 763-766.
*BISI 5138

Electroslag Remelting of Steel and Other Alloys, by I. Kslik.
CZECH, rpt, V.U.B.Z. Praha I. Brtnicka Konference VSB v Ostrave, Sbornik Referatu Ocelarske Okeze, 1965, pp 187-196.
*BISI 5136

Scientific
Materials (Contd)

Very High-Strength Concretes (Strengths Superior to 1,000kg/cm²), by Henri Pollet.
FRENCH, per, Ann Inst. Tech. Batiment Trav., Publ. Vol 18, No 214, 1965, pp 1425-1426.
*AEC ORNL-tr-1358

Failure Test of Beams Composed of Prefabricated Panels Assembled by Post-Tensioning, by Dan Viespescu, et al.
FRENCH, per, Ann. Inst. Tech. Batiment Trav., Publ. Vol 18, No 214, 1965, pp 1427-1435.
*AEC ORNL-tr-1359

At the Service of the Oil Industries, 10 pp.
FRENCH, rpt, Au Service des Industries Petrolieries, ACSI J-0536
ID 2832004266

Stress Corrosion, Delayed Failures, Fatigue Corrosion and Relations Between These Phenomena, by A. Royez.
FRENCH, rpt, Centre d'Etudes Nucleaires de Saclay, 8th Colloque de Met, June 1964, pp 95-110.
*BISI 5099

Stress-Corrosion Cracking of Chromium-Nickel-Iron Austenites in Alkaline Media at High Temperature, by H. Coriou et al.
FRENCH, rpt, Centre d'Etudes Nucleaires de Saclay, 8th Colloque de Met, June 1964, pp 135-142.
*BISI 5100

Utilisation of Cupric Etching in the Identification of Surface Defects of Small Depth in Iron and Steel Products, Phenomenon of Transverse Micro-Fibre Structure, by P. Nachbaur.
FRENCH, per, C.D.S. Circ., No 7-8, 1965, pp 1917-1825.
BISI 4879

The Resistance of Stainless Steels to Certain Ammoniacal Solutions, by J. M. Defranoux.
FRENCH, rpt, Chambre Syndicale des Producteurs d'Aciers Fins & Speciaux, April 1965, pp 84-88.
*BISI 5105

Metallurgical Study of Various Gases of Corrosion in Urea, by J. M. Vassal.
FRENCH, rpt, Chambre Syndicale des Producteurs d'Aciers Fins & Speciaux, April 26, 1965, pp 89-99, 100-102.
*BISI 5106

Scientific
Materials (Contd)

Use of 3,3'-Diaminobenzidine Hydrochloride
For the Colorimetric Determination of
Selenium in Steel, by P. Niviere.
FRENCH, per, Chimie Analytique, Vol 47,
March 1965, pp 125-135.
BISI 4855

Introduction to Potentiodynamic and
Potentiokinetic Techniques, by J. Tacussel.
FRENCH, per, Chimie Mod., Vol 7, No 47,
pp 73, 77, 79, 81, 83, 84.
*BISI 5091

Some Recent Developments in Optical Methods
Applied to the Study of the Micro-Profile
of Metal Surfaces, by M. Froment, J. C.
Lestrade.
FRENCH, per, Electrochim. Acta, No 11,
Jan. 1966, pp 21-30.
BISI 4939

Recarburation Trials with Pig Iron and
Steel by Powder Injection, by B. Trentini, et al.
FRENCH, per, Fonderie, No 156, Jan. 1959,
pp 25-39.
*BISI 5103

Rubberized Fabrics for Industrial Uses
FRENCH, rpt, Le Joint Francais, pp 1-33.
ACSI J-0299
ID 2832004266

New Caledonian Nickel, by J. Guillard.
FRENCH, per, Mem. Sci. Ing. Civ., Vol 114,
1961, pp 21-28.
*BISI 5084

Holography, by H. Paques, 24 pp.
FRENCH, per, Optica Acta, Vol XII, No 4,
1965, pp 359-378.
Dept of Navy 4906/ONI 2216

Finishing Problems in Special Steelworks,
by J. Philibert.
FRENCH, rpt, Publ. Assoc. Techn. Sider.
Franco., May 14, 1965, p13.
BISI 4982

Petroleum and its Derivatives in the Service of
Agriculture, by P. Castel.
FRENCH, per, Revue de L'Institut Francais de
Petrole, Vol 19, No 5, 1964, pp 638-660.
P911039164
AEC tr-6524

Scientific
Materials (Contd)

Enquiry into the Reasons for the Heterogeneity
of the Mechanical Properties in very Thick
Welded Joints, by R. Daemen, G. Donneux.
FRENCH, per, Rev. Met., Vol 66, June 1963,
pp 521-527.
*BISI 5114

Observations on the Influence of Some
Alloying Elements on the Kinetics of
Pearlite Formation, by P. Ravizza, W.
Nicodemi.
FRENCH, per, Rev. Met., Vol 63, Jan. 1966,
pp 17-21.
BISI 4841

Contribution to the Study of Oxygen Distri-
bution in Rimming Steel Ingots, by J. Duflot.
FRENCH, per, Rev. Met., Vol 63, May 1966,
pp 383-395.
*BISI 5149

Study of the Machinability of Free-Cutting
Steels by Means of Radioactive Tools, by
F. Vodopivec, V. Sencar.
FRENCH, per, Revue de Met., Vol 63, No 5,
May 1966, pp 407-413.
*BISI 5077

Analysis of Sheet Texture in Relation
to Stamping Behaviour, by M. Angeli et al.
FRENCH, per, Rev. Met. Mem. Sci., Vol 59,
No 6, 1962, pp 441-453.
BISI 4909

Study of the Precipitation in the Alloys
FE-TI, FE-TI-SI and FE-TI-NI, by J. P.
Henon et al.
FRENCH, per, Rev. Met. Mem. Sci., Vol 63,
Feb. 1966, pp 99-108.
*BISI 5094

Specification for the Stock-Car Program: Flux and
Dose Due to a Cylindrical Source, Either Filled
or Hollow, by Bernadette Dauversin.
FRENCH, rpt, Specification du Programme Stock-Car
Flux et Dose dus a une Source Cylindrique Pleine
ou Creuse.
*AEC ONRL-tr-1372

Electrolytically Chromium Coated Sheet,
by Otto Wolff.
GERMAN, rpt, No 121, June 1966.
*BISI 5090

**Scientific
Materials (Contd)**

Influence on Impact-Notch Strength of the Impurities in Commercial Steels, by Gerhard Schmidt, 17 pp.
GERMAN, per, Archiv fur das Eisenhüttenwesen, Vol VIII, No 6, 1934/35, pp 263-267.
Dept of Navy 4887/NRL 1064

Yield Strength of Plain Carbon and Low Alloy Steels During Hot Upsetting Under a Drop Hammer, by K. Fink et al.
GERMAN, per, Arch. Eisenh., Vol 26, Nov. 1955, pp 655-668.
BISI 4966

The Effect of Sulphur Contents of up to 0.25% on Mechanical Properties and Brittle Behaviour of Pure Iron Containing 0.001 to 0.08% Oxygen, by A. Hoffmann.
GERMAN, per, Arch. Eisenh., Vol 35, Nov. 1964, pp 1069-1078.
*BISI 5111

Fundamental Investigations into [Explosive] Forming at Maximum Strain Rates, by H. Hansel.
GERMAN, per, Archiv Eisenh., Vol 35, No 2, 1964, pp 85-90.
HB 6227

On the Kinetics of Reduction of Iron Oxide with Graphite, by H. K. Kohl, B. Marincok.
GERMAN, per, Arch. Eisenh., Vol 36, Dec. 1965, pp 851-859.
BISI 4878

X-Ray Determined Residual Stresses in Plastically Tensile-Deformed Steel Specimens, by F. Bollenrath, B. Hauk.
GERMAN, per, Arch. Eisenh., Vol 37, May 1966, pp 253-258.
BISI 5007

Relationship Between Hydrogen Absorption and Porosity in Iron, by G. Lange, et al.
GERMAN, per, Arch. Eisenh., Vol 37, May 1966, pp 391-397.
*BISI 5145

Balances Between Hot Metal and Saturated Slags of the $\text{CaO-FeO}_x\text{-SiO}_2$ system, Taken Together with Sulphur Distribution, by E. Cori.
GERMAN, per, Arch. Eisenh., Vol 37, June 1966, pp 441-451.
*BISI 5110

**Scientific
Materials (Contd)**

Isolation and Possibility of Isolating Oxide Inclusions, by A. More.
GERMAN, per, Arch. Eisenh., Vol 37, June 1966, pp 473-481.
*BISI 5089

Coherent Precipitation in Substitution Solid Solutions of -Iron, by E. Hornbogen, et al.
GERMAN, per, Arch. Eisenh., Vol 37, June 1966, pp 525-532.
*BISI 5107

Investigations into the Precipitation Behaviour in High-Strength Maraging Nickel Steels, by K. Detert.
GERMAN, per, Arch. Eisenh., Vol 37, July 1966, pp 579-589.
*BISI 5131

The Possibilities of Influencing the Pelletizing Pan Operation and Their Effects on the Properties of the Pelletized Material, by W. Pietsch.
GERMAN, per, Aufbereitungs-Technik, Vol 4, April 1966, pp 177-191.
*BISI 5140

The Influence of Small Niobium Additions on the Properties of High-Strength Structural Steels with Good Welding Properties, by K. Born, W. Lauprecht.
GERMAN, per, Bänder Bleche, Vol 7, Feb., 1966, pp 80-87.
BISI 4926

The Effect of Heat Treatment of Some of the Properties of Cold Strip, by F. Birzer.
GERMAN, per, Bänder, Bleche Rohre, Vol 7, No 4, 1966, pp 185-188.
*BISI 5085

Ceramics Reinforced by Fibres, by U. Hoffmann.
GERMAN, per, Berichte der Deutschen Keramischen Gesellschaft, Vol 43, No 5, 1966, pp 337-345.
*AEC LU/G/2455

The Production of Electrolytic Tinplate at Klockner Hütte, by L. Kaminski, R. Nylons.
GERMAN, per, Blech, Vol 12, June 1965, pp 267-269.
BISI 4736

Scientific
Materials (Contd)

A Laboratory Instrument for the Exact Control of Temperatures Between -190 and + 1600° C, by U. Engelhardt, et al. GERMAN, per, Chem. Ing. Tech., Vol 37, 1965, pp 528-531.
BISI 4806

Equipment Developments for Growing Single Crystals of High Melting Metals, by J. Barthel and R. Scharfenberg, GERMAN, per, Deutsche Akademie der Wissenschaften zu Berlin, Institut für Metallphysik und Reinstmetalle Dresden, *AEC ORNL TR 1403

Electron Zone of Tungsten and Molybdenum, by J. Barthel and R. Petri, GERMAN, per, Deutsche Akademie der Wissenschaften zu Berlin, Institut für Metallphysik und Reinstmetalle Dresden, *AEC ORNL-Tr-1402

Determination of the Surface Quality of Sheet, by G. Falkenburg. GERMAN, per, Deutsch. Forschungsges. Blechverarb. Oberflächenbeh., Vol 17, Feb. 1966, pp 47-50.
*BISI 5144

The Influence of Defects in the Semi-Finished Stock on the Surface Condition of Wire Rod, by F. Bleilob, H. Born. GERMAN, per, Draht-Welt, Vol 51, Nov. 1965, pp 591-597.
BISI 4877

Ten Years of Casting Gray Iron by the Top Feeding Technique, by A. Holzmueller. GERMAN, per, Die Giesserei, Vol 50, No 25, Dec. 1963, pp 781-791.
EB 6782

Alternating Longitudinal and Torsional Stressing of Drill Pipe, by V. Hauk, et al. GERMAN, per, Erdöl und Kohle - Erdgas-Petrochemie, Vol 18, 1965, pp 514-523.
BISI 4760

The Present State of Production of Conventional and Double-Reduced Tinplate, by A. Luth. GERMAN, per, Forschungsges. Blechverarb. Mitt., No 4/5, 1966, pp 32-39.
*BISI 5115

Scientific
Materials (Contd)

On the Through Heat-Treatability of Unalloyed, Low Chromium-Molybdenum-Alloyed and Low Chromium-Molybdenum-Vanadium-Alloyed Steel Castings, by A. Kolorz, K. Orth. GERMAN, per, Giesserei, Vol 52, Sept. 1965, pp 542-548.
BISI 4866

The Green Properties of Bentonite-Bonded Moulding Sands, by I. Sindemagel, et al. GERMAN, per, Giesserei, Vol 53, Feb. 17, 1966, pp 93-96.
BISI 4940

Suggestions for Controlling Cement-Bonded Ferro-Alloy Briquettes, by F. Roll. GERMAN, per, Giesserei, Mar. 31, 1966, pp 165-168.
BISI 4927

Moulding Sands Containing Polystyrene Foam and Moulds and Cores Made of it, by G. Angeloff. GERMAN, per, Giesserei, Vol 53, April 14, 1966, pp 258-262.
*BISI 5092

Thermal Efficiency of Risers and the [Casting] Yield, by W. Patterson, W. Koppe. GERMAN, per, Giesserei Techn. Wiss. Beihfte, No 28, April 1960, pp 1523-1533.
EB 6810

Lattice Theory of the Mechanical and Thermal Properties of Crystals, by G. Leibfried. GERMAN, per, Handbuch der Physik, Vol 8, No 1, 1955, pp 159-170; 174-175.
*AEC 2434

The Influence of Hardening Technique on Core Toughness and Fatigue Strength of Chromium-Manganese and Nickel-Chromium-Containing Carburising Steels, by H. Tauscher. GERMAN, per, Hart. Techn. Mitt., Vol 20, No 4, 1965, pp 263-267.
*BISI 5132

The Influence of Salt Bath Nitriding on the Alternating and Pulsating Fatigue Strength of Smooth and Notched Specimens of Wrought, Plain C. 45 Steel, by G. Seeger. GERMAN, per, Harterei-Techn. Mitt., Vol 21, 1966 pp 34-36.
BISI 4988

Scientific
Materials (Contd)

The Problem of Heat-Treatability, by
O. Schaaber.
GERMAN, per, Harterei-Technische Mitteilungen,
Vol 21, Heft 2, July 1966, pp 102-110.
*BISI 5080

Coating Plant for Wide Steel Strip,
by L. Walter.
GERMAN, per, Industrie Lackierbetrieb,
Vol 34, March 1966, pp 98-100.
BISI 4911

Effect of Continuous Casting on Machine
Flame Scarfing, by A. Pfetffer.
GERMAN, per, Kleppzig Fachber., Vol 73,
Nov. 1965, pp 519-523.
*BISI 5108

Production of Special Sheet by Treatment
with Protective Atmospheres, by A. Vrinssen.
GERMAN, per, Kleppzig Fachber., Vol 74, Jan.
1966, pp 16-18.
*BISI 5152

Investigation Concerning Heating Element
Welding of Hard Polyvinyl Chloride (PVC
Hard), by J. Zehren.
GERMAN, per, Kunststoff Rundschau, March
1966, pp 123-127.
*BISI 5135

Ultrasonic Probe with a Constant Transducer-
to-Workpiece Coupling, by Dr. Jan Koppelman.
GERMAN, per, Materialprüfung, Vol 7, No 6,
1965, pp 214-215.
EB 6667

Ultrasonic Inspection of Plate on the
Production Line Using a Pulse Echo Method,
by P. Holler, H. Smit.
GERMAN, per, Materialprüfung, Vol 7, 1965,
pp 296-303.
BISI 4915

Measurement of Radiation-Induced Dimension
Changes in Pyrolytic Graphite, by W. Delle.
GERMAN, Sk, Messung der Durch Bestrahlung In-
duzierten Dimensionsänderungen an Pyrolytischen
Kohlenstoffen, 24 Feb 1964.
*AEC ORNL-tr-1347

Scientific
Materials (Contd)

Corrosion Behaviour of Electrodeposited
Zinc and Cadmium Coats on Steel During
Weathering Tests in Industrial and Marine
Environments Above and Below a Roof,
by H. Laub.
GERMAN, per, Metall, Vol 19, Aug. 1965,
pp 830-840.
BISI 4997

The Folding, Soft Soldering and Brazing of
Hot Dipped, Galvanized Steel Sheets, by
F. W. Kohl.
GERMAN, per, Metall, Vol 19, Aug. 1965,
pp 841-846.
BISI 4998

Evaluation of Alkalimetric Titrations of
Phosphating Agents and Phosphating Baths,
by V. Cupr, J. B. Palikan.
GERMAN, per, Metalloberfläche, Vol 16,
No 6, 1962, pp 181-182.
EB 6837

Selective Focusing of X-Rays, by Tryggve
Johansson.
GERMAN, per, Die Naturwissenschaften, No 41,
1932, pp 729-730.
EB 5834

Testing of Hot-Rolled Steel with Gamma
Rays, by A. Kohn.
GERMAN, per, Neue Hütte, Vol 10, No 9,
1965, pp 561-564.
*HB 6952

Effect of Liquids on the Strength of
Sintered Iron, by W. Schatt.
GERMAN, per, Neue Hütte, Vol 10, No 9,
1965, pp 569-570.
*HB 6951

Glass Lubrication for the Extrusion of
Metals, by T. Spittel, A. Kuhnert.
GERMAN, per, Neue Hütte, Vol 10, No 12,
1965, pp 759-760.
EB 6964

Index for Sensitivity of Steel Ingots
to Heating, by P. Kuzmowicz.
GERMAN, per, Neue Hütte, Vol 11, Jan.,
1966, pp 43-49.
*HB 6943

Scientific
Materials (Contd)

A Process of Making Clad Hollows, by
A. Knauschnor.
GERMAN, per, Neue Hutte, Vol 11, March
1966, pp 141-143.
*IIB 6942

Present State of World Tin Production,
I. Production, Consumption and Market
Conditions of Important Non-Ferrous
Metals with Special Reference to Tin,
by H. Kirchberg et al.
GERMAN, per, Neue Hutte, Vol 11, No 5,
1966, pp 257-263.
*BISI 5134

Present State and Future Development of
Metallurgy in Bulgaria, by Neno Manov, 10 pp.
GERMAN, per, Neue Hutte, No 7, pp. 437-440,
July 1966.
JPRS 37147

Metallographic Observation on Plastic Behavior
of Uranium Oxide in the Penetration Hardness
Test, by Charlotte Buckle.
GERMAN, per, Plansee Berichte fur Pulvermetallurgie, Vol 10,
1962, pp 88-93. P911067566
AEC WAPD-tr-38

A Time Law for the Size Reduction of Tungsten
Carbide, by H.E. Exner, H.F. Fischmeister.
GERMAN, per, Plansee Berichte fur Pulvermetallurgie,
Vol 14, No 1, Apr 1966, pp 3-14.
*AEC

Transverse and Longitudinal Cracks in
Blooms of Basic Open-Hearth Steels, by
A. Schoberl, E. Pink.
GERMAN, per, Radex Rund., April 1966,
pp 96-107.
BISI 4944

Glass-metal Seals, by W. Meier.
GERMAN, per, Sprechsaal, Vol 98, No 9, 1965,
pp 230-236.
*AEC LB/G/2439

The Movement of Nitrogen in the Top-
Blowing Process, by P. Baumgarten, et al.
GERMAN, per, Stahl Eisen, Vol 85, Sept. 23
1965, pp 1165-1173.
*BISI 5147

Scientific
Materials (Contd)

Determination of the Mechanical Hardness
of Cold-Rolled Strip Less than 0.5 mm
(0.02") Thick by Means of Magnetic Measure-
ment, by E. J. Kopineck, G. Sommerkorn.
GERMAN, per, Stahl und Eisen, Vol 86,
No 12, 1966, pp 720-725.
HB 6912

Elastic Coating on Steel, 1 - Method for
the Plastic Coating of Steel Strip and
Sheet, by B. Meuthen.
GERMAN, per, Stahl Eisen, Vol 86, No 12,
1966, pp 730-744.
*BISI 5139

Determination of Carbon, Silicon, Manganese,
Phosphorus, Sulfur, and Copper [in Steel],
by A. G. Wronka.
GERMAN, per, Stahl und Eisen, Vol 86, No 15,
1966, pp 885-987.
HB 6962

Changing the Mechanical Properties of
Open-Die Forgings by Stretching and
Upsetting, by M. Vater, et al.
GERMAN, per, Stahl Eisen, Vol 86, July 14,
1966, pp 892-905.
*BISI 5073

The Possibilities of Fixing Nitrogen by
Chromium and Vanadium in Rimming Deep and
Drawing Steel to Reduce Susceptibility to
Ageing, by P. Wertheback, L. Elsing.
GERMAN, per, Stahl Eisen, Vol 86, Aug. 11,
1966, pp 1024-1032.
*BISI 5096

Top Pouring of Higher-Carbon Rimming Steel
with Addition of Oxygen, by W. Stein, et al.
GERMAN, per, Stahl Eisen, Vol 86, No 17,
1966, pp 1061-1071.
*IIB 6953

Research on the Change of Properties of
Permanent Tar-Dolomite Linings of a Basic
Converter as Dependent on the Stresses in
Operation, by H. Lehmann et al.
GERMAN, per, Stahl Eisen, Vol 86, Aug. 25,
1966, pp 1071-1077.
*BISI 5097

Scientific
Materials (Contd)

Metallurgical Studies of Basic Oxygen
Furnace Heats from Low Phosphorus Pig
Iron, by H. vom Ende, et al.
GERMAN, per, Stahl Eisen, Vol 86, No 18,
1966, pp 1117-1122.
*HB 6923

Ultrasonic Microscreening, by E. Ioos.
GERMAN, per, Staub, Vol 25, No 12, 1965,
pp 540-543.
*BISI 5104

Concerning Microscopical Determination of
Particle Size Distribution, by J. Simecek.
GERMAN, per, Staub, Vol 26, Apr. 1966,
pp 162-167.
BISI 5060

Determining the Distribution Function of
an Aerosol by Means of Multi-Stage Cascade
Impactors, by A. Berner.
GERMAN, per, Staub, Vol 26, April 1966,
pp 167-169.
BISI 5071

Correlation Between Particle Size Analysis
by Sedimentation and Microscopic Methods,
by J. Tuma.
GERMAN, per, Staub, Vol 26, May 1966,
pp 211-213.
BISI 5005

Concerning the Reliability Range of the
Mean Value of Dust Concentrations, by
W. Coenen.
GERMAN, per, Staub, Vol 26, No 5, 1966,
pp 216-220.
BISI 5072

New Equipment at the Poznan International
Industrial Fair, by K. Mohr, 7 pp.
GERMAN, per, Die Strasse, Vol V, No 12,
Dec 1965, pp 598-602.
ACSI J-0667
ID 2204045566

Investigations into the Bauschinger Effect
in Unalloyed Steels and its Recovery Behaviour
I - The Bauschinger Effect in Unalloyed Steels.
II - The Recovery of the Bauschinger Effect in
a Ferritic Steel, by W. Janich, E. Stolte.
GERMAN, per, Techn. Mitt. Krupp, Forschungsber.,
Vol 23, No 4, 1965, pp 117-144.
BISI 4890 - I + II

Scientific
Materials (Contd)

Grain Refining During the Transformation
Range as a Function of the Heating Rate,
by W. Knorr, G. Tacke.
GERMAN, per, Tech. Mitt. Krupp. Forsch-Ber.,
Vol 24, No 3, pp 133-138.
*BISI 5074

Determination of Nitrogen in Steel, by
W. Koch, K. H. Sauer.
GERMAN, per, Z. Anal. Chem., Vol 190, No 1,
1962, pp 81-91.
*BISI 5082

The Influence of Deformation on the
Recovery of Zinc, by Dietrich Oelschlagel.
GERMAN, per, Zeit fur Metallkunde, Vol LIV,
1963, pp 354-359.
*ACSI J-0883
ID 2204050266

Ultrasonic Location of the Solid/Liquid
Phase Boundary in Metals, by W. Kurz,
B. Lux.
GERMAN, per, Z. Metallk., Vol 57, No 1,
1966, pp 70-73.
*HB 6940

X-Ray Investigations of Internal Stresses
in a Copper-Iron Two-Phase Material, by
F. Bollenrath, et al.
GERMAN, per, Z. Metallk., Vol 57, May 1966,
365-367.
BISI 5008

Recrystallization Process, by G.
Wassermann.
GERMAN, per, Z. Metallk., Vol 57, No 7,
1966, pp 493-499.
*BISI 5133

The Hissing of Homogeneous Carbon, High-
Current Arcs in Air, by Von H. Bez,
K. H. Hocker.
GERMAN, per, Zeit fur Naturforschung,
Vol Xia, No 3, 1956, pp 192-196.
*NASA

Structure of Amorphous Germanium and Silicon, by
H. Richter.
GERMAN, per, Zeitschrift fur Naturforschung,
Vol 13a, 1958, pp 988-996.
*AEC 2419

Scientific
Materials (Contd)

New Horizons in Steelmaking Technique:
Characteristics and Properties of Steel
Produced in the L.D. Oxygen Converter,
by F. De Carli.
ITALIAN, per, Calore, Vol 36, April 1965,
pp 181-192.
*BISI 5148

Comparative Investigation of the Effects
of Small Additions of Niobium and Vanadium
to Low-Carbon Semi-Killed Steels, by P.
Brozzo, M. Celasco.
ITALIAN, per, Met. Itall., Vol 47, Oct.
1965, pp 357-368.
BISI 4972

Plastic Coated Metal Sheets - Part 1a,
by U. Benoffi.
ITALIAN, per, Rivista di Meccanica, Dec.
1964, pp 9-12.
BISI 5017

Steels for Dies, by V. Cevoli.
ITALIAN, per, Tranciatura Stampaggio,
Vol 3, Feb. 1966, pp 1-11.
BISI 4937

Short Circuit Current Carrying Capacity
of Aluminium-Clad Steel Wire, by A.
Tanaka, F. Numajiri.
JAPANESE, per, Hitachi Hyoren, Vol 46,
March 1964, pp 512-519.
BISI 4540

Pyrolysis of Acrylic Fibers, by Michiaki
Nakajima.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 68,
No 5, 1965, pp 991-997.
TC-1074

The Recrystallizing Speed of Austenite Grains
After Hot Working, by N. Takoda.
JAPANESE, per, Nippon Kinzoku, Vol 15, No 12,
1951, pp 578-581.
BISI 4905

Introducing Special Products made by
Mizue Steel Works. A. Minac Coated Steel
Sheets, by S. Takiguchi.
JAPANESE, per, Nippon Kokan Tech. Rept.,
No 30, 1964, pp 187-198.
BISI 4995

Scientific
Materials (Contd)

Introducing Special Products made by
Mizue Steel Works. B. Aluminized Steel
Sheet: Altight, by Y. Ishizu.
JAPANESE, per, Nippon Koka, Tech. Rept.,
No 30, 1964, pp 199-208.
BISI 4996

Effect of Vanadium on the Austenite Grain
Size in Iron and Steel - II, by K. Kunii, et al.
JAPANESE, per, Tetsu to Hagane, Vol 42, No 3,
1956, pp 195-197.
BISI 4906

Effect of Hot Working on Grain Growth
Characteristics of Austenite, by Y. Masuko.
JAPANESE, per, Tetsu to Hagane, Vol 42, No 3,
1956, pp 242-244.
BISI 4907

On the Grain Size and the Impact Value of
Carbon Steel, by S. Komazuka, Y. Koike.
JAPANESE, per, Tetsu to Hagane, Vol 42,
No 3, 1956, pp 244-246.
BISI 4908

Influence of Demagnetization on the Cleaning
Effect of Steel Strip, by K. Suzuki, J. Youra.
JAPANESE, per, Tetsu to Hagane, Vol 50, No 12,
1964, pp 2076-2078.
BISI 4975

The Charging of Semikilled Steel Ingots
in the Upside Down Position in the Soak-
ing Pits, by T. Kai et al.
JAPANESE, per, Tetsu to Hagane, Vol 51,
No 4, 1965, pp 900-903.
EB 6905

Some Considerations on the Mechanism of
the Dooxidation Reaction of Molten Steel,
by K. Senda.
JAPANESE, per, Tetsu to Hagane, Vol 51,
June 1965, pp 1317-1318.
BISI 4706

Some Experiments on the Decarburisation
and Denitridation of Steel Sheet, by
T. Shibai, M. Kohda.
JAPANESE, per, Tetsu to Hagane, Vol 51,
No 11, 1965, pp 2063-2066.
EB 6718

Scientific
Materials (Contd)

Melting Practice for High Carbon Steel
Made by the Oxygen LD Process, by K.
Wakabayashi et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 348-349.
EB 6886

The Quality of High Carbon Steel Wire
Rod Rolled from Billets Continuously
Cast From Basic Oxygen LD Steel. Part I,
by Sh. Koike, A. Kimura.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 471-473.
EB 6925

On the Quality of Spring Steel from
Continuously Cast Billets. Part II,
by Sh. Koike.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 473-475.
EB 6906

On the Rising Velocity of Deoxidation
Products in Static Iron Bath, Study of
Deoxidation - I, by N. Kawai.
JAPANESE, Per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 546-549.
*BISI 5118

On the Rise of Deoxidation Products in
the Process of Silicon Deoxidation, by
Y. Miyashita, K. Nishikawa.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 552-554.
*BISI 5120

On the Rising Velocity of Al_2O_3 Particles in
Static Iron Bath, Study of Deoxidation -II,
by H. Kawai, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,
pp 549-551.
*BISI 5119

On the Mechanism of Formation of Oxide
Inclusions at the Addition of Deoxidizer,
by Y. Kojima et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 557-560.
*BISI 5121

Study on the Large Inclusions in Rimming
Steel, by T. Takai, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 568-571.
*BISI 5122

Scientific
Materials (Contd)

Analysis of Non-Metallic Inclusions by
Electron Probe Microanalyser, by K.
Shibuya et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 571-576.
*BISI 5123

The Effects of MN, SI on the Mechanical
Properties and Cold Formabilities of
Hot Rolled Steel Sheets, by H. Iwamiya et al.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,
1966, pp 589-591.
*BISI 5124

The Effects of Al, CR on the Mechanical
Properties and Cold Formabilities of Hot
Rolled Steel Sheets, High Strength Steel
Sheet for Cold Forming Quality, by H.
Iwamiya et al.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,
1966, pp 591-596.
*BISI 5125

Effect of Tramp Elements on the Hot
Workability of Low Carbon Steels, by
T. Tanoue and Ch. Kawai.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 624-626.
EB 6888

Step Extrusion of Continuously Cast
18% Cr, 8% Ni Steels, by K. Okamoto.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 629-631.
EB 6792

On the Surface Seams Caused by Non-Metallic
Inclusions in Cold Rolled Sheet of 1808
Stainless Steel, by Z. Nozaki, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4,
1966, pp 633-636.
*BISI 5126

Effect of Alloying Elements on the
Rimmed Steel, by T. Kakutani, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 646-648.
*BISI 5127

Properties of Hot Extruded Bars of High-
Speed Steel Compared with Forged Bars,
by A. Hiyonagi et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 683-686.
EB 6882

Scientific
Materials (Contd)

Effect of Strain Aging on Mechanical Properties in Low Carbon Martensitic Steels, by S. Fukui.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4, 1966, pp 724-726.
*BISI 5128

The Effects of Annealing Temperature on Strain Aging of Vanadium-Treated Low Carbon Rimmed Steel Sheets, by K. Talasjoma.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4, 1966, pp 726-729.
*BISI 5129

Effects of Grain Sizes and Strain Rate on Tensile Properties of Quenched and Tempered Mild Steels at Low Temperatures. Measurement of Tensile Properties of Steels with a High Speed Impact Tension Testing Machine, by S. Sakui, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52, No 4, 1966, pp 739-741.
*BISI 5130

Approximate Evaluation of Shrinkage Due to Spot Heating on a Rectangular Plate, Report No 1, by T. Maeda, T. Yada.
JAPANESE, per, Yosetsu Gakkaishi, Vol 33, No 4, 1964, pp 42-.
NLL Ref: 9022.0658 1966 (2276)

Infiltration of Copper and Brass into Sintered Iron Compacts, by St. Stolars.
POLISH, per, Hutnik, Vol 33, No 3, 1966, pp 87-95.
KB 6896

Study of the Properties and Structure of Pellets of Varying Basicity, by S. Zelinski, et al.
POLISH, per, Prace Inst. Hutniczych, No 2-4, 1965, pp 73-88.
*BISI 5076

Deoxidation of Steel with Aluminium.
RUMANIAN, per, Metalurgia, Vol 16, No 8, 1965, pp 406-410.
*HB 6737

New Salt Baths for Low-Temperature Thermochemical Treatment, by Gh. Sucevanu.
RUMANIAN, per, Metalurgia, Vol 17, June 1966, pp 325-329.
*HB 6944

Scientific
Materials (Contd)

Production and Application of Ferro-Nickel in Brazil, by E. Langer.
SPANISH, per, Bol. ABM, Vol 20, Sept. 1964, pp 511-529.
*BISI 5083

The Effect of Inert Gases Upon the Aging of Ceramic Products in Moist Air, Particularly With Regard to the Occurrence of Glazing Cracks, by F. Sandford. 107 pp.
SWEDISH, rpt, Doktorsavhandlingar Vid Chalmers Tekniska Hogskola, No 2, pp 1-124.
ACSI J-0357
ID 2204038266

Diffusion of Carbon in the Different Phases of Carbon Steel, by H. Hillert, R. D. Sharp.
SWEDISH, per, Jernkont. Ann., Vol 137, Nov., 1953, pp 785-790.
BISI 4876

Addition of Aluminum to Steel for Deoxidation, by H. Widmark.
SWEDISH, per, Jernkontorets Annaler, Vol 150, No 1, 1966, pp 28-38.
KB 6870-1

Calibration and Evaluation in X-Ray Fluorescence Analysis of Alloyed Steels, by N. Loumamas, W. Fugmann.
SWEDISH, per, Jernkont. Ann., Vol 150, No 2, 1966, pp 99-110.
*BISI 5069

Nomograms for Calculating Blast Pressure Leakage, by G. A. Bergman, 11 pp.
SWEDISH, per, Tidskrift i Fortifikation, No 3, 1965.
Dept of Navy Tr 4879/ONI Tr 2213

Fiber-Laminate Material, by R. C. Abelin.
SWEDISH, Patent No 196,549. 1 June 1965.
ACSI J-0874
ID 2204050066

A New Solar-Energy Device for Use in Testing Refractory Materials, by V. S. Dvernyakov and V. V. Pasichnyy. 8 pp.
UKRAINIAN, per, Dovidki Akademii Nauk Ukrainy, No 6, 1966, pp. 762-766.
JPRS 37709

Scientific
Mathematical Sciences

A Device for the Determination of Correlation Functions, by K. V. Tomingas.
RUSSIAN, Iz Akad Nauk SSSR Institut Avtomatiki i Telemekhaniki Tekhnicheskaya Kibernetika, 1965, pp 56-60.
*FTD-HT-66-598

Some Criteria for the Completeness of a System of Characteristic and Adjoint Vectors of Linear Operators in Hilbert Space, by M. A. Naimark.
RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 98, No 5, 1954, pp 727-730.
*AEC

Trapped Particle Instability of a Plasma in a Toroidal Geometry, by B. B. Kadomtsev, et al.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N.J. Jul 11 to 15, 1966
*AEC MATT tr 33

Topology of the Magnetic Field and Diffusion of Plasma in Toroidal Traps, by A. Popryadunin.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N. J. Jul 11 to 15, 1966.
*AEC MATT tr-37.

On a General Method of Studying Boundary-Value Problems, by A. I. Perov,
A. V. Kibenko.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Mate, Vol XXX, No 2, 1966, pp 249-264.
*Dept of Navy/APL/JHU J-852

On the Speed of Convergence of Some Approximate Methods of the Galerkin Type in the Eigenvalue Problem, by
G. M. Vainikko.
RUSSIAN, per, Iz Vysch Ucheb Zaved, Mate, No 2 (51), 1966, pp 37-45.
*Dept of Navy/APL/JHU J-858

On the Non-Uniqueness of the Stationary Solution of a System of Equations of the Combustion Theory, by R. D. Bachelis,
V. G. Melamed.
RUSSIAN, per, Prikl Mat i Mekh, Vol XXX, No 2, 1966, pp 368-374.
*Dept of Navy/APL/JHU J-851

Scientific
Mathematical Sciences (Contd)

Solution of the Basic Biharmonic Problem for a Wide Class of Regions by the Method of Summary Representations, by G. K. Polozbiy.
RUSSIAN, per, Prikladnaya Mekhanik, Otdeleniye Matematiki Mekhaniki i Kibernetiki Ak Nauk Ukr SSR, Vol I, No 12, 1965, pp 1-8.
*NASA TT F-10,402

Unilateral Estimates in Studies of Solutions of the Limit Cauchy Problem for Differential Equations With Unbounded Operators, by Ya. D. Namedov.
RUSSIAN, per, Sib Mate Zhur, Vol VII, No 2, 1966, pp 313-317.
*Dept of Navy/APL/JHU J-857

Cybernetics and Automation, by D. A. Oshanin, 259 pp.
RUSSIAN, rpt, Sistema "Chelovek i Avtomat", 1965, pp. 5-15, 16-19, 20-27, 28-36, 37-46, 47-52, 53-61, 62-69, 70-85, 86-93, 94-111, 112-118, 119-127, 128-146, 147-154, 155-159, 160-164, 165-171, 172-176, 177-181, 182-184, 185-196, 197-214, 215-228, 229-234, 235-240, 241-244, 245-252
JPRS 37072

Maintaining the Reliability of Radar Instruments; Adjustment, Parameter Control, Prevention and Diagnosis of Failures, by S. I. Braudo.
RUSSIAN, rpt, Sokhraneniye Nadezhnosti Radiolokatsionnoy Apparatury (Nastroyka, Kontrol', Parametrov Preduprezhdeniye i Diagnostika Otkazov, Chap II- pp 29-59; Chap V - pp 170-229; Chap VII - pp 230-314. 1965.
*ACSI J-0815
ID 2204048866

Numerical Solution of the Equations of the "One-Parameter" Boundary-Layer Theory, by L. M. Simmi, N. M. Terent'ev.
RUSSIAN, per, Trudy Inst Leningrad Politekh im M. I. Kalinina, No 248, 1965, pp 56-58.
Dept of Navy 4821/APL/JHU TG 230-T481

On an Algorithm for Stochastic Search of the Maximum in a Deterministic Field, by B. P. Kharlamov,
RUSSIAN, per, Trudy Matematicheskoy Institut Steklova, Vol LXXIX, 1965, pp 71-75.
922039666
Dept of Navy/APL Tr 1918

Scientific
Mathematical Sciences (Contd)

On Some Local Theorems for Partial
Differential Equations With Constant
Coefficients, by E. A. Gorin, V. V. Grushin.
RUSSIAN, per, Trudy Mosk Mate Obsch,
Vol XIV, 1965, pp 200-210.
*Dept of Navy/APL/JHU J-849

Approximation Solution of Linear Integral Volterra
Equations, by Yu. D. Sokolov.
RUSSIAN, per, Ukrainskii Matematicheskii Zhurnal,
Vol 10, No 2, 1958, pp 193-208. P911069966
AEC ANL-tr-354

A Method of Solving a Boundary-Value
Problem for a Linear Second-Order
Differential Equation, by I. F. Gredzhuk.
RUSSIAN, per, Ukrain Mat Zhur, Vol XVI,
No 3, 1964, pp 375-382.
Dept of Navy 4822/APL/JHU TG 230-T482

Optimal Control in Ordinary Dynamic Systems, by
N. N. Krasovskiy. 36 pp.
RUSSIAN, per, Uspekhi Matematicheskikh Nauk,
Vol 20, No 3, 1965, pp 153-174. P100027066
FTD-TT-65-2014

Basic Properties of Polynomials Orthogonal
With Respect to Their Contours, by
P. K. Suetin.
RUSSIAN, per, Uspekhi Matemat Nauk, Vol XXI,
Mar-Apr 1966.
*NASA

Numerical Solution of Some Mechanical and Physical
Problems by Simulators, by I. F. Zhrebint'ev.
RUSSIAN, per, Vestnik Akademii Nauk Kazakhskoi
SSR, Vol 21, Nov 1965, pp 35-39.
*AEC

Experience in the Operation of the MN-7 and
EMU-8 Computers, by I. G. Vintizenko, V. Ya.
Durnovtsev, A. V. Kozhevnikov and V. V.
Tsygankov, 5 pp.
RUSSIAN, bk, Voprosy Teorii i Primeneniya
Matematicheskogo Modelirovaniya, 1965,
pp. 587-591.
JPRS 37219

On a Method of Solving Systems of Nonlinear
Inequalities, by M. A. Germanov,
V. S. Spiridonov.
RUSSIAN, per, Zhur Vych Mate i Mat Fiz,
Vol VI, No 2, 1966, pp 332-335.
*Dept of Navy/APL/JHU J-861

Scientific
Mathematical Sciences (Contd)

Remarks Concerning Numerical Integration, by
E. Stiefel, et al.
FRENCH, per, Comptes Rendus Acad des Sciences,
Vol 252, 1961, pp 1899-1900.
*AEC

Geometric Handling of Courses in the OSR Program,
by Yvette Caseau.
FRENCH, rpt, Traitement Geometrique des Parcours
Dans le Programme OSR, Apr 1966.
*AEC ORNL-tr-1379

Mathematical Classification Models in Object-
Recognition Problems, by Stanislaw Schmidt.
GERMAN, per, Archiwum Automatyki i Telemekhaniki,
Vol 9, No 4, 1964, pp 427-442. P100029166
FTD-TT-65-883

Simplified Numerical Integration, by W. Romberg.
GERMAN, per, Kongelige Norske Videnskabs
Selskabs Forhandlinger, Vol 28, No 7, 1955,
pp 30-36.
*AEC

Thermodynamic Considerations on Corrections
of Saha Equations, by M. Diana.
ITALIAN, per, Atti della accademia Nazionale
dei Lincei Rendiconti Classe di Scienze
Fisiche Matematiche Naturali, Vol XXXIX,
No 6, 1965, pp 482-487.
*NASA TT F-10,322

A Numerical Method Applied to the Solution of
Problems in the Transition Flow Regime, by
Kichiro Takao.
JAPANESE, per, Japan Society for Aeronautical and
Space Sciences Journal, Vol 13, Aug 1965,
pp 262-265.
*AEC SC-T-66-034

Scientific
Mechanical, Industrial, Civil, & Marine Engineering

On the Knocking Characteristics of Air-cooled Engines, by I. V. Markova, Ye. S. Polukhin. 10 pp. RUSSIAN, per, Avtomobil'naya Promyshlennost', No 9, 1964, pp 5-7. P100020366
FTD-TT-65-1858

Motor Vehicle Tires (Design, Construction, Testing, and Operation), by V. L. Bidermana, 94 pp. RUSSIAN, rpt, Avtomobil'nyye Shiny, (Konstruktsiya, Raschet, Ispytaniye, Eksploatsiya), 1963, pp 172-235; 238-251; 254-286.
ACSI J-0759
ID 2204047566

Truck and Tractor Wheels, by I. V. Balabin, V. A. Putin, 33 pp. RUSSIAN, rpt, Avtomobil'nyye i Traktorniye Kolesa, 1963, pp 41-50, 85-106, 123-142.
ACSI J-0752
ID 2204046966

Welding and Engineering Progress, by B. Paton, 7 pp. RUSSIAN, np Ekon Gazeta, No 29, 1966, pp 5, 6. JPRS 37365

Certain New Designs of Precision Electrospark Machine Tools and Their Parts, by Ye. M. Levinson, 10 pp. RUSSIAN, per, Elektronnaya Obrabotka Materialov, No 3, 1965.
JPRS 37414

Large Deformations of a Circular Membrane Attached Along Its Contour to a Deformable Ring, by Yu. I. Solodilov. RUSSIAN, per, Inzhen Zhur, Vol V, No 2, 1965, pp 376-381.
Dept of Navy 4825/APL/JHU T-1876

An Approximate Method of Calculation for Aerodynamic Impellers, by A. N. Sherstyuk. RUSSIAN, per, Izv. Akad. Nauk SSSR, OTN Mekh. Mash., No 5, 1962, pp 39-45.
ILL RIS 3014

Derivation of an Ultrahigh Vacuum with the Aid of Steam Lubricating Diffusion Pumps, by N. M. Sorokin, N. M. Baryshova. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz., Vol XXX, No 1, 1966, pp 37-42.
*FTD-HT-66-629

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Calculation of High-Stress Heat Exchanger, by P. I. Povarnin. 10 pp. RUSSIAN, bk, Issledovaniye Teploobmena v Potokakh Zhidkosti i Gaza, Moskva, 1965, pp 167-174.
P100052466
FTD-HT-66-426

Sinter Reduction and Slag Formation in Various Levels of Blast Furnaces, by I. M. Galemir, A. V. Gorokh. RUSSIAN, per, Izv. VUZ Chern. Met., No 12, 1964, pp 24-32.
BIBI 4826

Cooling (Annealing) of Forgings of Flake-Sensitive Steel, by E. S. Tovpenets, et al. RUSSIAN, per, Izv. VUZ Chern. Met., No 8, 1966, pp 157-161.
*HB 6966

Driving Rate and Coke Rate in Blast Furnaces of Different Volume, by M. Ya. Ostroukhov. RUSSIAN, per, Izvest. VUZ Chern. Met., Vol 9, No 2, 1966, pp 31-40.
HB 6850

Study of the Degassing Process in the Vacuum Casting of Steel Ingots for Heavy Forgings, by B. F. Zverev et al. RUSSIAN, per, Izvest. VUZ Chern. Met., Vol 9, No 3, 1966, pp 64-67.
HB 6859

Semiconductor Pressure Gage for Gas Mixtures, by A. M. Nechushkin, et al. RUSSIAN, per, Izvestiya VUZ Nefti Gaz., Vol VII, No 11, 1964, pp 89-91.
*AEC 115-64

Codes in Engineering, by Yu. G. Zarenin, V. L. Inosov. 260 pp. RUSSIAN, bk, Kody V Tekhnitsi, 1964, pp 1-251.
FTD-TT-65-1558

High-Velocity Forming of Turbine Blades, by V. G. Kononenko, Yu. A. Bobrykin. RUSSIAN, per, Kuznechno-ShTamp. Proizvodstvo, No 3, March 1963, pp 10-13.
HB 5790

Mechanization of the Process of Forging Crankshafts on Hammers, by A. A. Bocherov, V. V. Kobelev. RUSSIAN, per, Kuznechn. ShTamp. Proizvodstvo, No 6, June 1966, pp 41-43.
HB 6934

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Lichenes as Indicators of air Pollution
by A. Piteran.
RUSSIAN, per, Nauka i Tekhnika, No 12,
1965, pp 43-44.
J. Woroncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

Electrolytic Machining of Metals,
by V. Karpov.
RUSSIAN, per, Nauka i Zhizn', No 6,
1966, pp 112-117.
J. Woroncow
5230 Clairemont Mesa Blvd.
San Diego, California 92117

Sintering of Corundum With Additives, by
E. V. Degtyareva, et al.
RUSSIAN, per, Ogneupory, No 29, 1964, pp 400-411.
*AEC AWE tr 55

Nozzles with a Feed-Controlling Insert
for the Continuous Casting of Steel,
by E. S. Borisovskii, et al.
RUSSIAN, per, Ogneupory, Vol 31, No 1,
1966, pp 31-36.
HB 6592

Principles and Theory of Rolling, by
A. I. Tselikov.
RUSSIAN, bk, Osnovy Teorii Prokatki, 1965,
pp 61-69, 88-93.
BISI 4820

Statistical Hydromechanics, by A. S. Monin
and A. M. Yaglom, 605 pp.
RUSSIAN, bk, Statisticheskaya Gidromekhanika.
Mekhanika Turbulentnosti. Chast' 1, 1965,
pp. 1-639.
JPRS 37763

Approach to the Design of Modern Submarine
Transport Ships With Nuclear Propulsion,
A. A. Tokmakov, 37 pp.
RUSSIAN, per, Sudostroyeniye, 1965,
pp 143-159.
Dept of Navy 4905/ONI 2220

Meter-Dispensing Units.
RUSSIAN, per, Transport i Khreneniye Nefti i
Nefteproduktov, March 1965, pp 40-41.
*ACSI J-0845
ID 2204049466

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Instructions on the Inspection of the Seismic
Effect of Blasts on Buildings, by F.A. Kirillov,
S. V. Medvedev, et al.
RUSSIAN, per, Trudy Ak Nauk SSSR. Instituta
Fiziki Zemli, No 21 (188), 1962, pp 118-138.
P911007266
AEC UCRL tr-10054

Electroconvective Diffusion in Liquid Tin and Lead,
by P. P. Kuz'menko, E. I. Khar'kov, et al.
RUSSIAN, per, Ukr. Fiz. Zh. Vol 10, No 8, 1965,
pp 912-913. 911005066
AEC IS-tr-35

Pneumo-Hydro-Automation Studies, by
V. G. Gradetskiy, 2 pp.
RUSSIAN, per, Vestnik Akad Nauk SSSR,
No 2, 1965, pp 108-110.
ACSI J-0592
ID 2204043266

Bushing Cavitation and Pressure Pulsation in the
Draft Tube of a Turbine, by I. V. Kotenev,
K. K. Shal'nev. 27 pp.
RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i
Tekhnicheskoy Fiziki. No 2, 1962, pp 59-71.
P100030566
FTD-MT-65-500

Contemporary Combat Resistance of Ships,
16 pp.
CROATIAN, per, Mornaricki Glasnik, No 2,
1964, pp 149-163.
Dept of Navy Tr 4883/ONI Tr 2200

Quality Control in the Automobile Industry,
by Frantisek Zalud, 6 pp.
CZECH, per, Automobil, Vol VIII, No 1, 1964,
pp 2-4.
ACSI J-0666
ID 2204045466

Calculation on an Automatic Computer of
Heat Losses Through the Brickwork of
Soaking Pit Furnaces, by J. Frolik.
CZECH, per, Hutn. Listy, Vol 19, No 2,
1964, pp 98-102.
BISI 4864

Course of Heat Flow and Thermal Efficiency
of Furnace During Heating of Ingots in
Soaking Pit Furnaces, by R. Kremer, et al.
CZECH, per, Hutn. Listy, Vol 19, No 8,
1964, pp 551-556.
BISI 4865

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Mathematical Model of the Sintering Process
or the Sintering Plant of the Trinec Iron
Works, by M. Hucka.
CZECH, per, Hutn. Listy, Vol 21, No 2,
1966, pp 84-89.
BISI 4931

Effect of Slag Composition on the Bath
Oxygen Content in the Production of
Rimming Steel, by L. Kodrle.
CZECH, per, Hutnické Listy, Vol 21, No 4,
1966, pp 238-244.
HB 6894

Means for More Economic Heating of Steel,
by R. Kremer.
CZECH, per, Sborník Vedeckých Prací Vysoké
školy Banské v Ostravě, Vol 9, No 5, 1963,
pp 637-651.
BISI 4889

Quality in the Forefront of Interest,
by Miloslav Wimmer.
CZECH, per, Technická Práce, No 6, June
1964, pp 401-403.
ACSI J-0797
ID 2204048366

Technical Level and Quality of Production,
by B. Stetina.
CZECH, per, Technická Práce, No 6, June
1964, pp 404-407.
ACSI J-0797
ID 2204048366

Reconstruction of the Old Town Weir in Prague, by
Vaclav Benes, 4 pp.
CZECH, per, Vodní Hospodárství, No 4,
1965, pp 183-184.
DIA LN 343-66

Utilization of Water Power in Rumania, by J. P.
6 pp.
CZECH, per, Vodní Hospodárství, No 4, 1965,
pp 184-186.
DIA LN 343-66

Electrification of Czechoslovak State Railroads
and Its Significance, 4 pp.
CZECH, per, Železniční Doprava a Technika,
No 11, 1965, pp 275-276.
DIA LN 408-66

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Rail Renewal on Single Track Lines.
FINNISH, per, Rautatie Liikenne,
No 11, 1964, pp 525. 59-66A
ACSI J-0599
ID 2204043766

The Suolahti-Jyväskylä Traffic Route,
FINNISH, per, Rautatie Liikenne,
No 11, 1964, pp 527-530. 59-66b
ACSI J-0599
ID 2204043766

Railways in 1963, Transportation
and Its Maintenance.
FINNISH, per, Rautatie Liikenne,
No 11, 1964, pp 535-538. 59-66C
ACSI J-0599
ID 2204043766

The World's Most Powerful 4-Axle Diesel
Locomotive.
FINNISH, per, Rautatie Liikenne, No 11,
1964, pp 551-557. 59-66D
ACSI J-0599
ID 2204043766

Railroad Construction in Course.
FINNISH, per, Rautatie Liikenne, No 11,
1964, pp 564. 59-66E
ACSI J-0599
ID 2204043766

International Transportation of Freight and Cargo
Clearance on Railroads, by V. Luomanmaki.
FINNISH, per, Rautatie Liikenne, No 4,
1966, pp 185-188.
ACSI J-0647
ID 2204045066

The Brake Systems and Structures in Our
Trains, by H. Lindholm.
FINNISH, per, Rautatie Liikenne, No 4,
1966, pp 195-202.
ACSI J-0647
ID 2204045066

The Railroad Connections of Loviisa and the
Valko Port are Showing New Courses to the
City of the Queen,
FINNISH, per, Rautatie Liikenne, No 4,
1966, pp 219-220.
ACSI J-0647
ID 2204045066

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Use of Cranes Increased by T. E. Alava.
FINNISH, per, Rautatie Liikenne, No 4,
1966, pp 177-250.
ACSI J-0647
ID 2204045066

Hamina Line Phases, by A. J. Ikkala, 4 pp.
FINNISH, per, Rautatie Liikenne, No 1,
1966, pp 27-31.
DIA LN 451-66D

Effects of the Alternate Temperature Changes on
the Prestressing Steel. Cancellation of the
Relaxation, by M. Dumas.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1254-1279.
*AEC ORNL-1348

Study on Scale Model of a Prestressed Concrete
Caisson Subjected to a Considerable Thermal
Gradient, by F. Dubois, et al.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1290-1306.
*AEC ORNL-tr-1350

Ka Interspan System of Cables, 44 to 60 Wires,
by Matthey de l'Etang.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1344-1348.
*AEC ORNL-tr-1351

High-Strength Cables of the Incerc Type, by
N. Gaina, et al.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1349-1351.
*AEC ORNL-tr-1352

High Strength Freyssinet Cables, by Y. Guyon.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1352.
*AEC ORNL-tr-1353

Prestressed Reinforcements Having a Strength
Exceeding 100 t, Type SEEE, by M. Beghi.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1353-1358.
*AEC ORNL-tr-1354

High-Strength Cables of the Ber-B System, by
M. G. Watiez.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1359-1365.
*AEC ORNL-tr-1355

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Baudin-Chateauf Prestrressing System, by
M. R. Carriere.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1366-1368.
*AEC ORNL-tr-1356

Tests for the Anchoring of Cables of High Unit
Strength, by Bellier, et al.
FRENCH, per, Ann. Inst. Tech. Batiment Trav.
Publ. Vol 18, No 214, 1965, pp 1369-1372.
*AEC ORNL-tr-1357

Variety of Modern Compaction Machines,
by Paul Galabru.
FRENCH, per, Industries et Techniques, No 70,
20 Apr 1966, pp 48-51; 69; 70.
ACSI J-0604
ID 2204044066

Trials and Measurements at the Continuous
Casting Plant of the Denain Works of
Societe Fives-Lille-Cail, by J. Heraut,
F. Bujak.
FRENCH, per, Revue de Metallurgie, Vol 62,
No 7/8, July-August 1965, pp 635-647.
EB 6651

A Study of the Hearth of No. 1 Blast
Furnace in the Wendel Works, Hayange
Saint-Jacques, by S. Sayagh, R. Baro.
FRENCH, per, Rev. Met., Vol 62, Dec.
1965, pp 1181-1186.
BISI 4868

Finishing Operations in Small Section
Mills, General Consideration, by M.
Desvallees.
FRENCH, per, Rev. Met., Vol 63, Feb. 1966,
pp 165-167.
BISI 4968

Finishing Operations for Small Section
Mills, by E. Goue.
FRENCH, per, Rev. Met., Vol 63, Feb. 1966,
pp 168-172.
BISI 4969

Analysis and Calculation of Blast Furnace
Performance, by L. Boumanna.
FRENCH, per, Rev. Univ. Min., Vol 104, June
1961, pp 337-364.
BISI 4647

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

The Building of a Bridge Over the Caroni,
(Venezuela) by Alvaro Fernandez, 10 pp.
FRENCH, per, Travaux, July-August 1965,
pp 473-476.
DIA LN 525-66

Liquid-Bath Heat Exchanger, by Georges Claude,
FRENCH, pat, Patent No 916,301.
Dept of Comm
Patent Office

Plain and Roller Bearings for Extreme Reactor
Conditions, by F. Helfrich. 3 pp.
GERMAN, per, Atomwirtschaft, No 9, 1964,
pp 126-128.
*AEC

Plain and Roller Bearings for Extreme Reactor
Conditions, by F. Helfrich. 7 pp.
GERMAN, per, Atomwirtschaft, No 9, 1964,
pp 168-174.
*AEC

Planning, Operation and Maintenance of
Cloth Type Filters, by H. Kohn.
GERMAN, per, Aufbereitungs-Technik, No 5,
1966, pp 257-264.
BISI 5020

Features of Processing Technique and Design
Principles, as well as Recent Operational
Results in Lurgi-Dravo Pelletizing Plants,
by G. von Struve, et al.
GERMAN, per, Aufbereitungs-Technik, No 7,
1966, pp 355-362.
*BISI 5141

State of Development of Fine Shearing
Technique, by A. Guidi.
GERMAN, per, Bänder Bleche Rohre, No 7,
Apr. 1966, pp 193-203.
*BISI 5101

Premium Bonus System in the Stamping
and Pressing Shop, by V. Nowak.
GERMAN, per, Bänder Bleche Rohre, Vol 7,
April 1966, pp 203-209.
*BISI 5102

Status and Development of the Methods of
Prefabricated Culvert Section Production
in the GDR and Abroad, by W. Altmann.
17 pp.
GERMAN, per, Baustoffindustrie, No 4, April
1966, pp 109-115.
ACSI J-0394
ID 2204039766

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Development Tendencies in Electrostatic
Flue Gas Cleaning, by H. Werner.
GERMAN, per, Energie und Technik, Aug.,
1965, pp 327-330.
*BISI 5093

Detonation Process in Cylindrical Explosive
Charges With Axial Cavity, by
Hans Ahrens, 30 pp.
GERMAN, per, Explosivstoffe, Jul 1965,
pp 180-198.
Dept of Navy Tr 4927/ONI 2214-C

Detonation Process in Cylindrical Explosive
Charges With an Axial Cavity, by
Hans Ahrens, 15 pp.
GERMAN, per, Explosivstoffe, No 10,
1965, pp 267-276.
Dept of Navy Tr 4931/ONI 2214-D

A New Method of Testing Deep Drawing
Capacity and its Application, by
W. Engelhardt.
GERMAN, per, Forschungsber. Blechverarb.,
Mitt., Nov 1, 1959, pp 287-292.
*BISI 5087

The German Fine Tinplate Packaging
Industry Yesterday and Tomorrow, its
Problems and Expectations, by W. Benzinger.
GERMAN, per, Forschungsges. Blechverarb.,
Mitt., No 4/5, 1966, pp 77-82.
*BISI 5116

Production and Organization Analysis of the
In-Line Operation of Continuous Casting
Machines With Oxygen-Blown or O. H. Steel
Plants, by G. Hain, K. P. Schmitz.
GERMAN, per, Freiberger Forschungshefte,
B 106, 1965, pp 23-42.
IB 6845

The Use of Machine Tools in Batch Pro-
duction, by P. Stockmann.
GERMAN, per, Industrie-Anzeiger, Vol 87,
Dec. 24, 1965, pp 2509-2517.
BISI 4742

The Rolling of Sectional Iron on a Semi-
Continuous Mill for Medium-Sized Products,
by F. Kisters.
GERMAN, per, Kleppzig Fachber., Vol 70,
May 1962, pp 174-187.
BISI 4993

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Study of the Possibilities of Continuous Steelmaking, by G. Bulle.
GERMAN, per, Klepszig Fachberichte, Vol 72, No 3, 1964, pp 91-94.
HB 6900

Injection of Fuels into the Blast Furnace, by W. Wenzel.
GERMAN, per, Klepszig Fachber, Vol 72, Oct. 1964, pp 379-385.
*HB 6941

New Plate Mills in Germany and Abroad, by P. Diestel.
GERMAN, per, Klepszig Fachber, Vol 73, Oct. 1965, pp 435-441.
*BISI 5142

Influence of Metallurgical Aspects on the Layout of Hot Rolling Mills, Illustrated by the Example of a Semi-Continuous Wide Strip Mill, by E. Winterkamp.
GERMAN, per, Klepszig Fachber, Vol 73, Oct. 1965, pp 442-444.
*BISI 5146

New System for the Automation of the Blast Furnace Process, by G. V. Gulenko, M. S. Levin.
GERMAN, per, Metallurg., Vol 11, No 3, 1966, pp 8-10.
HB 6930

Blowing-in a Blast Furnace After Major Repairs Without Removal of the Charge from the Bosh Zone, by P. G. Zhigulev, et al.
GERMAN, per, Metallurg, Vol 11, No 7, 1966, pp 4-5.
HB 6946

Conversion of the Open Hearth Furnaces in the "Lenin" Iron and Steel Works From Gas to Fuel Oil, by Z. Naniov.
GERMAN, per, Neue Hütte, Vol 10, Nov. 1965, pp 691-692.
*BISI 5086

Reactorkinetic Approximation for the Evaluation of Safety Problems, by Paul Schmid.
GERMAN, per, Nukleonik, Vol IV, 1962, pp 331-347.
*AEC
EDC November 15

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

New Concepts and Experiences in Maintaining Clean Air in Steelworks, by K. Guthmann.
GERMAN, per, Radex Rund., No 3, 1966, pp 139-162.
*BISI 5117

Venturi and Radial Flow Washers for Cooling and Cleaning Impellent and Waste Gases, by W. von Jordan.
GERMAN, per, Stahl Eisen, Vol 7, Apr. 1966, pp 399-406.
BISI 4917

Present State and Development Trends of Maintenance Work in Steelworks, by H. Nies.
GERMAN, per, Stahl Eisen, Vol 85, Nov. 4, 1965, pp 1431-1440.
BISI 4750

Investigations on the Rolling Practice With a Four-Stand Tandem Cold Rolling Mill, by P. Funke, H. Reihlen.
GERMAN, per, Stahl Eisen, Vol 86, Mar. 10, 1966, pp 245-261.
BISI 4900

A New Type of Standardized Single Wheel Drive for Steelworks Cranes, by R. Neugebauer, H. Flessner.
GERMAN, per, Stahl Eisen, Vol 86, Apr. 21, 1966, pp 478-485.
*BISI 5078

A New Operational Process in the Hot and Cold Rolling of High-Carbon Steel Strip, by P. U. Schmithals, E. Grass.
GERMAN, per, Stahl und Eisen, Vol 86, No 12, 1966, pp 705-709.
HB 6911

Modern Length Measurement Technology as a Basis For Rolling Mill, Automation, by K. Oehle.
GERMAN, per, Stahl Eisen, Vol 86, June 30, 1966, pp 830-840.
BISI 5051

Experience Made With Classified Powdered Lime in the Basic Open Hearth Process, by V. K. O. Zimmer et al.
GERMAN, per, Stahl Eisen, Vol 86, July 14, 1966, pp 887-891.
*BISI 5098

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

The Interaction Between Hull and
Propeller, K. H. Pohl.
GERMAN, rpt, Ueber die Wechselwirkung
Zwischen Schiff und Propeller, 1961,
pp 255-306.
*Dept of Navy/DTMB T-334

Prevention of Corrosion in Oil-Fired
Boilers by Burning Oil with Extremely
Low Excess air, by F. Glaubitz.
GERMAN, per, Werks. Korros., Vol 16,
Dec. 1965, pp 1033-1039.
BISI 4925

Combined Use of Ultrasonics and Radiography
for the Quality Control of Pipe Welds, with
Special Reference to Automation, by E. Becker.
GERMAN, per, Wissenschaftliche Zeitschrift
der Technischen Hochschule Otto von Guericke,
Vol 9, No 1, 1965, pp 113-118.
HB 6785

Carbon Layers with Diamond Structure, by Heinz
Schmellenmeier,
GERMAN, per, Zeitschrift fur Physik Chemie, Vol
CCV, 1955, pp 349-350.
*AEC 115-80

Factors Affecting the Thickness of Cold
Rolled Steel Strip, by Z. Nagy.
HUNGARIAN, per, Koh. Lapok, Vol 98, No 6,
1965, pp 279-284.
BISI 4823

The Development of Wide Strip Mills,
by A. Blotto.
HUNGARIAN, per, Koh. Lapok, Vol 98, Nov.
1965, pp 487-494.
*BISI 5143

Construction of the First Motor Road
in Hungary, by Erich Natus, 19 pp.
HUNGARIAN, per, Melyepitestudományi
Szemle, No 3, 1966, pp 105-114.
DIA LN 396-66

A Complete Aspect of the Tomei Expressway,
by Sadamu Mino, Masao Ikegami, 24 pp.
JAPANESE, per, Doro, No 3, March 1966,
pp 175-186.
DIA LN 824

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Fork Lift Trend by Yoshiyuki Ota.
JAPANESE, per, Sangyo Sharyo; Sangyo Sharyo
to Niyaku Kiki, No 7, 1965, pp 2-13.
ACSI J-0544
ID 2222099266

Report on Basic Survey of Machinery Industries
for the Year 1964 With Regard to the
Publication of "The Research on the Situation
of the Rationalization of Conveyance by
Fork-Lift, March 1965".
JAPANESE, per, Sangyo Sharyo; Sangyo Sharyo
to Niyaku Kiki, No 8, 1965, p 2.
ACSI J-0544
ID 2222099266

Survey on Fork-Lift Truck Market in Australia
JAPANESE, per, Sangyo Sharyo; Sangyo Sharyo
to Niyaku Kiki, No 9, 1965, pp 9-15.
ACSI J-0544
ID 2 222099266

On the Theory of Screw Propellers in
Nonuniform Flow, by Ryusuke Yamazaki.
JAPANESE, per, Seibu Zosen Kai, No 28,
1964, p 52.
Dept of Navy Tr 4943/DTMB T-327

The Gas Permeability of Pellets in the
Blast Furnace, by T. Kosuge et al.
JAPANESE, per, Tetsu to Hagane, Vol 51,
No 10, 1965, pp 1794-1797.
HB 6843

Metallurgical Improvements in the Quality
of Cold Rolled Rimmed Steel Sheet in Deep-
Drawing Quality, by T. Fujii, S. Ogawa.
JAPANESE, per, Tetsu to Hagane, Vol 51,
No 11, 1965, pp 1990-1992.
HB 6986

Effect of the Bed Depth Distribution of
Sinter on the Pallet on the Distribution
of the Waste Gas in the Wind Box, Part I
of 'Studies of the Automatic Control of a
Sinter Plant, by A. Yoshida et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 271-274.
HB 6885

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

Formation of Slag and Dephosphorization
in the Early Stages of the Basic Oxygen
LD Process, by Y. Hirose.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 366-369.
HB 6873

Process of Tap Degassing [of Steel],
by H. Morikawa et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 443-446.
HB 6881

Continuous Casting of [Ball and Roller]
Bearing Steel, by T. Ohta et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 3, 1966, pp 466-468.
HB 6903

Quality of Bearing Steel Tubes Extruded
from Continuously Cast Billets, by
T. Ota, et al.
JAPANESE, per, Tetsu to Hagane, Vol 52,
No 4, 1966, pp 745-747.
HB 6857

Shipbuilding and Shipping in the Soviet Union,
by Yuriy Moralevich, 4 pp.
NORWEGIAN, rpt, Norwegian Shipping News, No 12,
1966, pp 607-608.
DIA LN 549-66

The Bratsberg Railway in Southern Norway,
by Kjel Aaserud, 7 pp.
NORWEGIAN, per, Vart Yrke, Vol XVIII,
No 2, 1966, pp 34-37.
DIA LN 392-66

SJ Gets 100 Kmoor Per Year for Unprofitable
Lines, 5 pp.
NORWEGIAN, per, Vart Yrke, Vol XVIII,
No 2, 1966, pp 40-41.
DIA LN 392-66

A Contaminated Road, by Adam Kolodziejczyk.
POLISH, per, Zolnierz Polski, No 28, (945),
pp 8-9. Also Phrase on p 1, 10 July 1966.
*ACSI J-0816
ID 2204048966

Scientific
Mechanical, Industrial, Civil & Marine Engineering (Contd)

V 90 and V 90 P, Modern Diesel Locomotives
for Heavy Switching Service,
by R. Lutz 16 pp.
SWEDISH, per, Jarnvags Teknik, No 6,
June 1965, pp 179-186.
DIA LN 390-66-C

Pressure Effects Inside Untight Shelters
Under Blast Load, by G. A. Bergman.
SWEDISH, rpt, Technical Report of Swedish
Royal Fortification Administration,
No B 31, Jan 1963, pp 1-27.
Dept of Navy 4917/ONI 2227

Process for Removal of Water from a Moist or
Wet Web, e. g. a Felt or Felt-supported Fiber
Web,
SWEDISH, pat, Patent No 186,793.
Dept of Comm
Patent Office

Movable Stud Holder Arrangement, by Perret
Freres,
SWISS, pat, Patent No 308,027.
Dept of Comm
Patent Office

Method and Apparatus for Driving or Stopping
Rail Vehicles, by Jakob Huber,
SWISS, pat, Patent No 329,991.
Dept of Comm
Patent Office

Timepiece Regulator,
SWISS, pat, Patent No 338,769.
Dept of Comm
Patent Office

Timepiece Regulator, by Marcel Vuilleumier,
SWISS, pat, Patent No 347,770.
Dept of Comm
Patent Office

Scientific
Methods & Equipments

A Probabilistic Model of the Photographic Processes, by M. A. Ayngom.
RUSSIAN, per, Problemy Peredachi Informatsii, No 16, 1964, pp 69-90.
*FTD-117-66-632

Domestic Photographic Papers for Printing Documents and Texts, by M. I. Shor, 7 pp.
RUSSIAN, per, Zhurnal Nauchnoy i Prikladnoy Fotografii i Kinematografii, No 2, 1961, pp. 154-159.
JPRS 37528

Radioactive Method of Determining the Quality of Printing, by I. V. Romeikov and I. Turasov,
RUSSIAN, pat, Patent No 145,050.
Dept of Comm
Patent Office

A Contribution to the Problem of Controlling the Image Steadiness in Motion Picture Cameras, by V. Hyrsi. 17 pp.
CZECH, per, Jezna Mechanika a Optika, No 7, 1964 pp 201-205. P100026366
FTD-1T-65-1723

Automatic Recording of Fast Phenomena With Irregular Occurrence, by Milos Simek, 19 pp.
CZECH, per, Slaboproudny Obzor, No 8, 1965, pp 449-452.
ACSI I-9425A
ID 2204016966

Preparation of the An(S, Se), by Zdenek Svec, Josef Mravinac.
CZECH, per, Slaboproudny Obzor, No 8, 1965, pp 480-483.
ACSI I-9425B
ID 2204017066

Motor-Driven Household Appliance for Kitchen Use, by S. A. Sovico,
FRENCH, pat, Patent No 1,117,914.
Dept of Comm
Patent Office

Dismountable Box for Rolls of Motion Picture Film and other Rolls, by Francine Debris,
FRENCH, pat, Patent No 1,221,771.
Dept of Comm
Patent Office

Scientific
Methods & Equipments (Contd)

Temperature Increases of Objects in Electron Microscopes, by Bodo von Borries, Walter Glaser.
GERMAN, per, Kolloid-Zeitschrift, Vol 106, 1944, pp 123-128. P911043666
AEC ANL-tr-335

Photo Etching Techniques, by Teshima, Kimura, Ogino.
JAPANESE, per, Bulletin Electrotechn Laboratory Vol XXIX, No 1, 1965, pp 75-79.
*ACSI J-0872
ID 2204049966

Pantograph with Parallel Guide, by Siegfried Lehsten,
GERMAN, pat, Patent No 963,127.
Dept of Comm
Patent Office

Regulating Device,
SWISS, pat, Patent No 276,768.
Dept of Comm
Patent Office

Navigation, Communications, Detection &
Countermeasures

Telegraph Communications in Railroad Transportation, by D. G. Lishunin, 8 pp.
RUSSIAN, per, Avtomatika, Telemekhanika i Svyaz', No 7, 1966, pp. 18-20.
JPRS 37594

Radar Observations of Venus in the Soviet Union in 1964, by V. A. Kotel'nikov, Yu. N. Aleksandrov, et al.
RUSSIAN, per, Doklady Ak Nauk SSSR, Astronomiya, Vol XVI, No 1, pp 50-53. P-910037565
NASA TT F-9693

Hydrodynamics of High-Speed Vessels, by I. T. Yegorov, V. T. Sokolov.
RUSSIAN, bk, Gidrodinamika Bystrokhodnykh Sudov, 1965, 382 pp.
*Dept of Navy/DTMB

Scientific
Navigation, Communications, Detection &
Countermeasures (Cont'd)

Determination of the Spatial Distribution of Plasma Density by Multichannel Microwave Probing, by E. P. Gorbunov, et al.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N.J. Jul 11 to 15, 1966.

*AEC MATT tr 34

Perturbations of Magnetic Surfaces, by L. S. Solov'ev.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N. J. Jul 11 to 15, 1966.

*AEC MATT tr 30

Experiments With Stellarator L-1, by D.K. Akulina et al.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N. J. Jul 11 to 15, 1966.

*AEC MATT tr-36

Amplitude-Phase Measuring Device Without Phase Sensitive Detectors, by Yu. B. Shaub. p 99.
RUSSIAN, per, Nauchno-Tekhnicheskoy Informatsii. Geofizicheskoye Priporostroyeniye (Sbornik Statey). no 16, 1965, pp 38-45. P100050866
FTU-TT-66-9

Radio Relay Communications by Means of Artificial Earth Satellites, by I. A. Guseynitskiy, Ye. V. Ryzhkov, et al. 27 pp.
RUSSIAN, rpt, Radioreleynyye Linii Svyazi. 1965, pp 516-537.
ACSI J-0644
ID 2204044766

Determining Maximum Values of Gravitational Drift and Drift From Unequal Rigidity of Floating Integration Gyroscopes, by G. A. Slomanskiy. 12 pp.
RUSSIAN, per, Trudy Aviatsionnyy Tekhnologicheskoy Institut. No 59, 1964, pp 74-82. P100050766
FTU-TT-66-03

Apparatus for Automation of Radar Observations, by I. G. Potemkin,
RUSSIAN, per, Trudy Tsentral'naya Aerologicheskaya Observatoriya. No 57, 1964, pp 67-71.
100007066
AFRL T-R-516

Scientific
Navigation, Communications, Detection &
Countermeasures (Cont'd)

Twenty-Second All-Union Scientific Session Devoted to Radio Day. Section on Wire Communications, 62 pp.
RUSSIAN, bk, XXII Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio. Sektsiya Provodnoy Svyazi, 1966, Moscow, pp 3-59.
JPRS 37515

The Scientific and Technical Progress in the Communications Industry Must Be Accelerated, 5 pp.
RUSSIAN, per, Vestnik Svyazi, No 6, Vol XXVI, 1966.
JPRS 37577

Outlook of Czechoslovak Navigation on the Danube and Its Economic Evaluation, by Karel Raba, 10 pp.
CZECH, per, Doprava, No 6, 1962, pp 200-203.
DIA LN 337-66

Experience Gained With Tropic-Proof Packaging of Tele-Communications Merchandise Shipped to the Tropic Zone, by Jan Kocian.
CZECH, per, Slaboproudy Obzor, No 7, 1965.
ACSI I-8854
ID 2204050766

The Radio Receiving Station at Reerso, by G. Branslev, B. Wedervang, 21 pp.
DANISH, per, Teletnik, No 1, Mar 1965, pp 65-79.
DIA LN 307-66

Properties of the Attenuation of Radiowaves in the 0.86-cm Band by Rain, by S. Godard.
FRENCH, per, Journal de Recherches Atmospheriques, Vol II, No 4, 1965, pp 121-167.
Dept of Navy 4828/APL/JIU T-1901

Scientific
Navigation, Communications, Detection &
Countermeasures (Contd)

Remarks on the Doppler Radar Measuring Method for Interior Ballistics Measurements, by G. Schultze.
GERMAN, rpt, Bemerkungen Zur Dopplerradar-Messmethode für Innenballistische Messungen, 3 Dec 1964.
*NASA

Brunswick and Inland Navigation, by Fritz Timme, 10 pp.
GERMAN, per, Zeitschrift für Binnenschifffahrt, No 9, Sept 1960, pp 283-288.
DIA LN 436-66

Nuclear Science & Technology

The Application of a Boron Counter With CH_2 -Moderator in Neutron Dosimetry, by L. S. Zolin.
RUSSIAN, rpt, 1965. P911030166
AEC NP tr-1394

An Estimation of Ionizing Radiation Levels Near the 10 GeV Synchrotron of the Joint Institute for Nuclear Research, by M.M. Komochkov, V.N. Lebedev.
RUSSIAN, rpt, P911029466
AEC CERN tr-66-1

KeV Neutron Scattering by Lead and Electrical Polarizability of Neutron, by Yu. A. Alexandrov, et al. 5 pp.
RUSSIAN, rpt, 1966
*AEC

USSR Reports on Natural and Artificial Radioactivity in Diet and Man.
RUSSIAN, rpt, P911067966
AEC *r-6797

Chromatographic Separation for Radiochemical Water Analysis in a Reactor, by Yu. P. Saykov, 7 pp.
RUSSIAN, per, Atomnaya Energiya, Vol 20, No 2, pp. 123-126.
JPRS 37220

Remote Installation for X-Ray Structural Analysis of Radioactive Samples, by V. I. Karpukhin, V. A. Nikolayenko.
RUSSIAN, rpt, Deystviya Yadernykh Izlucheni na Materialy, 1962, pp 166-172.
ACSI J-0763
ID 2204047966

Scientific
Nuclear Sciences & Technology (Contd)

Simulation of Large-Scale Cratering Explosions, by M. A. Gadovskiy, et al.
RUSSIAN, per, Doklady Akad Nauk SSSR, Vol 167, 1966, pp 1253-1255.
*AEC AWRE 54

Photographic Dosimetry of Ionizing Radiation, by V. F. Kozlov,
RUSSIAN, bk, Fotograficheskaya Dozimetriya Ionizuyushchikh Izlucheni, 1964, 154 pp.
*AEC 115-52

Analysis of Polarization in a Neutron Beam by Scattering on the Coulomb Field of the Nucleus, by N. S. Lobedeva. 2 pp.
RUSSIAN, rpt, I. V. Kurchatov Atomic Energy Institute, Moscow, 1965.
*AEC

Investigations on the Uses of Organic Coolants-Moderators in Nuclear Reactors, by Yu.N. Aleksenko.
RUSSIAN, rpt, I. V. Kurchatov Institute of Atomic Energy Report IAE-611, Moscow, 1964, 26 pp.
P911028966
AEC TT 1248

Polarization Effects in the Coulomb Scattering of 4 MeV Neutrons by Copper, Lead and Uranium Nuclei, by G. V. Gorlov, N. S. Lobedeva. 11 pp.
RUSSIAN, rpt, I. V. Kurchatov Atomic Energy Institute, Moscow, 1966.
*AEC

On the Radiation Stability of Certain Ion-Exchange Resins, by B.A. Alekseyev, P.D. Novikov.
RUSSIAN, rpt, International Symposium on Water Problems in Nuclear Reactors, Rossendorf, Germany 25-27 Apr, 1962, Report No 5, pp 159-164.
P911066666
AEC tr 6779

Study of Transient Neutron Spectra in Zirconium Hydrate, by S. N. Ishmayev and V. I. Mostovoi, et al.
RUSSIAN, rpt, Izucheni Nestatsionarnykh Spektrov Neitronov v Gidride Tsirkoniya, 1965.
*AEC 115-42

Use of Polarized Proton Target in the Investigation of Low-Energy Nucleon-Nucleon Interactions, by P. Wintermitz, F. Lehar. 188 pp.
RUSSIAN, rpt, Primenenie Poliarizovannoi Protonnoi Misheni Dlya Issledovaniya Nuklon-Nuklonno Vzaemodeistviya pri Nizkikh Energiyakh, Dubna, 1965. P911042866-V
AEC ANL-tr-342

Scientific
Nuclear Science & Technology (Contd)

The Uses of Radioactive Isotopes and Nuclear Radiation in the USSR, by N. A. Petrov, L. I. Petrenko, 314 pp. RUSSIAN, bk, Radioaktivnye Izotopy i Yadernye Izluchen v Narodnom Khoz SSSR, Moscow, 1961. AEC-Tr-6466/4

Radioactive Isotopes in Mining and Ore Dressing, by A. A. Rudanovskiy, RUSSIAN, rpt, Radioaktivnye Izotopy v Gornom Dele i Obogashcheniy POleeznykh Iskoraemykh, 1965, 180 pp. *AEC 115-77

Reconstruction of Research Reactor IRT at Atomic Energy Institute Imeni I. V. Kurchatov, by V. V. Goncharov and Yu. F. Cherilin, et al, RUSSIAN, rpt, Rekonstruktsiya Reactors IRT I. V. Kurchatov, Russian Rpt IAE 992. *AEC 115-34

Co-Precipitation and Adsorption of Radioactive Elements, by V. M. Vdovenko, RUSSIAN, bk, Soodazhdenie i Adsorbtziya Radioaktivnykh Elementov, 1965, 195 pp. *AEC 115-97

Delayed Neutrons at the Fission Threshold of Thorium-232, by B. P. Maksyutenko, RUSSIAN, rpt, State Committee for the Use of Atomic Energy of the USSR Institute of Physics and Energy, 1965. P911069566 AEC LA-tr-66-34

Current Limitations of an Accelerator Associated with the Limit Density of Particles in a Phase Volume, by Yu. P. Sivkov, A. I. Solnishkov, RUSSIAN, rpt, State Committee on the Uses of Atomic Energy in the USSR, 1965. P911030266 AEC TR-68

The Multiparameter Investigations of the Fission Fragments for the Fission of U^{235} Induced by Thermal Neutrons and 5 MeV, 6 MeV and 7 MeV Neutrons, by V. G. Vorob'ova, P. P. Dyachenko, RUSSIAN, rpt, State Committee for the Use of Atomic Energy of the USSR Institute of Physics and Energy, 1965. P911069466 AEC LA-tr-66-36

Large Scintillation Counters and Counters for Operation in Magnetic Fields, by G. L. Gayatyan, Yu. V. Galaktionov, et al, RUSSIAN, rpt, State Committee on the Use of Atomic Energy USSR, Institute of Theoretical and Experimental Physics, Moscow, 1965. P911030366 AEC tr-6758

Scientific
Nuclear Science & Technology (Contd)

The Capture of Stopped π^- -Mesons by Light Nuclei, by V. M. Kolybasov, RUSSIAN, per, State Committee on the Use of Atomic Energy USSR, Institute of Theoretical and Experimental Physics, Moscow, 1965, No 11-364, NP-15601. P911019766 AEC tr-6759

Calculating the Differential Cross Section of Slow Neutrons by Integration with Respect to Time, by V. F. Turchin, RUSSIAN, rpt, State Committee on the Use of Atomic Energy USSR, Physics-Power Engineering Institute, 1965, NP-15469. P911019666 AEC tr-6756

Multiconfiguration Approximation for Atomic Species of Lithium Type, RUSSIAN, per, Trudy Akademii Nauk Litovskoi SSR, Ser B. Vol II, No 5, 1956, pp 3-10. T00007066 AFCRL T-R-491

Study of Aquation Kinetics of some Binuclear Cobalt Ammine Complexes, by I. M. Reibel, RUSSIAN, per, Trudy Kishinevskogo Sel'skokhoz Instituta imeni M. V. Frunze, Vol XXVI, 1962, pp 25-33. *AEC

Irreversible Polarographic Waves in Binuclear Complexes of Cobalt, by I. M. Reibel, RUSSIAN, per, Trudy Kishinevskogo Sel'skokhozyaistvennogo Instituta imeni M. V. Frunze, Vol XXVI, 1962, pp 35-43. *AEC

Problems of Dosimetry and Protection Against Radiation, RUSSIAN, rpt, Voprosy Dosimetry i Zashchity ot Izlucheni, Sbornik Statei, No 4, 1965, 147 pp. *AEC 115-72

Analysis of Nuclear Magnetic Spectra of Multinuclear Spin Systems, by Chiu Tsu-wen, Yu Ling-hwa, et al. 17 pp. CHINESE, per, Chun-Kuo K'U Hsueh Yuan Ying Hsueh Yen Chiu So Chi K'an, No 11, 1964, pp 9-22. P100012366 FTU-TT-65-1086

Scientific
Nuclear Science & Technology (Contd)

Analysis of the Nuclear Magnetic Resonance of the Spectra of the ABC Three-Spin System II. The Resonance Spectrum of Acrylonitrile, by Xiao-Tian Liang. 5 pp.
CHINESE, per, Hua Hsueh Hsueh Pao (Acta Chimica Sinica), Vol 30, No 4, pp 429-431. P100018766
FTD-TT-65-1172

Methods for Determination of Reactor-Grade Graphite Characteristics, by Slobodan Marinkovic. CROATIAN, per, Nuklearna Energija, No 4, 1965, pp 7-11.
*AEC LA-tr-66-43
EDC 1 Sep 66

Dependence of the Current of an Ionization Chamber on the Frequency of the Intensity of Radiation, by Jiri Oppelt. CZECH, per, Jaderna Energie, No 2, 1965, pp 59-62.
Dept of Navy/NRL No 1067

Experimental Verification of the Dependence of the Current of Ionization Chamber on the Frequency of Radiation Intensity, by Miroslav Hoespes. CZECH, per, Jaderna Energie, No 2, 1965, pp 62-63.
Dept of Navy/NRL No 1068

Application of Neutron Activation Analysis for the Determination of Elements in Organic Materials, by Miroslav Rakovic. CZECH, per, Jaderna Energie, Vol 11, 1965, pp 182-183.
*AEC

Radioactive Kryptonates in Science and Technology, by J. Tolgyassy, et al. CZECH, per, Jaderna Energie, Vol 12, No 6, 1966, pp 213-220.
*AEC 2459

Manufacture of Radioisotopes, Sources and Labelled Compounds in Czechoslovakia, by K. Chorvat. CZECH, per, Jaderna Energie, Vol 12, No 6, 1966, pp 225-227.
*AEC 2460

Aleto - Results Obtained With Homogeneous Critical Experiments on Plutonium 239, Uranium 235, and Uranium 233, by Jean-Georges Brune. 139 pp.
FRENCH, rpt.
*AEC

Scientific
Nuclear Science & Technology (Contd)

Description of the Fuel Element for the Rapsodie Reactor. 15 pp.
FRENCH, rpt.
AEC NP tr-1234

Development of Methods for Protection Calculations at CEA, by C. Devillers, et al. FRENCH, rpt, Apr. 1966.
*AEC ORNL tr-1381

The Prestressed Concrete Containments in the EDF3 and EDF4 Nuclear Power Plants, by G. Lamiral, J. Courbon. FRENCH, per, Annales de l'Institut Technique du Batiment et des Travaux Publics Suppl, Vol 18, No 206, 1965, pp 208-232. P911067766
AEC ORNL tr-1228

Calculation of Reflection and Transmission Coefficients for a Slab of a Given Material for Thermal Neutrons: Evaluation of Radiative Gamma Capture (Centaure 3 Program, by Jacques Brisbois. FRENCH, rpt, Calcul des Coefficients de Reflexion et de Transmission d'une Plaque d'un Matériau Donne Pour les Neutrons d'Energie Thermique: Evaluation des Gamma de Capture Radiative (Programme Centaure 3).
*AEC ORNL-tr-1377

Calculation of Thermal Neutron Flux and Curves, Energy, and Gamma Dose Along the Axis of a Channel or a Graphite-CO₂ Reactor (Domino 2 Program for the IBM-7094, by Jacques Duco. FRENCH, rpt, Calcul des Flux et Courants de Neutrons Thermiques, d'Energie et de Dose Gamma sur l'Axe d'un Canal d'un Reacteur du Type Graphite-Gaz Carbone Programme Domino 2 Pour Calculateur IBM-7094.
*AEC ORNL tr-1374

On a Colloidal Compound of Thorium With Uranium, by B. Szilard. FRENCH, per, Comptes Rend, Vol 143, 1906, pp 1145-1147.
*AEC ORNL-tr-1414

Radioisotope Converters, by Thierry Alleneu Bernar, et al. FRENCH, rpt, Convertisseurs a Radioisotopes, Jun 1960.
*AEC ORNL-tr-1389

Scientific
Nuclear Science & Technology (Contd)

Study of Interactions of Neutrons With Matter by the Monte Carlo Method, (American Program # 5 R, by P. Paillere.

FRENCH, rpt, Etude des Interactions des Neutrons Avec la Matiere Par la Methode de Monte-Carlo (Programme Americain #5R.

*AEC ORNL-tr-1380

Study of the Radiation Around a High-Energy Accelerator. Production and Security of Cascade Neutrons, by Philippe Tardy-Joubert.

FRENCH, rpt, Etude du Rayonnement Autour D'un Accelérateur de Haute Energie Production et Diffusion des Neutrons de Cascade.

*AEC ORNL-tr-1368

Insolubilization of Radioactive Concentrates by Incorporation Into Bitumen. Practices in the Treatment of Low and Intermediate Level Radioactive Wastes, by N. Van de Voorde and P. Dejonghe,

FRENCH, rpt, Insolubilisation de Concentres Radioactifs par Enrobage de Bitume, STI/PUB/116, IAEA, Vienna 1966, pp 569-597.

*AEC ORNL TR 1431

X-Ray Examination of Uranium Oxides of the UO₂ Type After Quenching, by B. Belbooch, et al. FRENCH, per, Journal of Nuclear Materials, Vol 13, 1964, pp 100-106.

*AEC ORNL tr-1410

Variation in the Lattice Parameter of Slightly Irradiated Uranium Monocarbide, by J. Bloch, J.P. Austelier.

FRENCH, per, Journal of Nuclear Materials, Vol 17, 1965, pp 350-355. P911026866

AEC ORNL tr-1302

Niobe Program: Description and Practical Use, by Gilles Brancicourt, et al.

FRENCH, rpt, Programme Niobe: Description et Utilisation Pratique.

*AEC ORNL tr 1378

Treatment of Neutron Propagation by the Age Theory (Calaga Program, by Jacques Brisbois, et al. FRENCH, rpt, Propagation des Neutrons Traitee Par la Theorie de L'age Programme Calaga.

*AEC ORNL-tr-1377

The Introduction of Nuclear Power in Switzerland. The Viewpoint of a Producer and Distributor of electricity, by E. Lanfrini.

FRENCH, per, Revue Economique et Sociale, May 1965, pp 131-144.

AEC Risley tr 1059

Scientific
Nuclear Science & Technology (Contd)

The Introduction of Nuclear Power in Switzerland. The Equipment Manufacturer's Viewpoint, by P. de Haller.

FRENCH, per, Revue Economique et Sociale, May 1965, pp 145-150.

AEC Risley tr 1058

Solidification of Radioactive Sludge Using Bitumen, by J. Rodier and M. Alles,

FRENCH, rpt, Solidification des Boues Radioactives par le Bitume, IAEA, Vienna, 1966, STI/PUB/116, pp 713-724.

*AEC ORNL TR 1432

Theoretical Investigation of the Maximum Credible Accident With Regard to the Storage of Highly Radioactive Fission Products in Salt Formations, by S. Brandes.

GERMAN, rpt, Oct 1965. P911029666

AEC tr-6766

Shielding High-Energy Electrons: Neutrons and Muon Components, by G. Bathow, et al.

GERMAN, rpt, Abschirmung Hochoenergetischer Elektronen: die Neutronen- und Myonenkomponente, Jul 1966.

*AEC ORNL tr-1411

Manufacture of Nuclear Reactor Fuel Elements and Their Coating With Pyrolytic Carbon, by G. Fleischhauer, et al.

GERMAN, per, Ber. Daut. Keram. Ges, Vol 43, No 3, 1966, pp 231-238.

*AEC ORNL tr-1417

The Detonation Process in Cylindrical Explosive Charges With an Axial Cavity (Part I), by Hans Ahrens, 19 pp.

GERMAN, per, Explosivstoffe, No 5, 1965, pp 124-134.

Dept of Navy Tr 4885/GNI Tr 2214-A

Elongation of Zinc Crystals Under the Effect of Ultrasonics, by F. Blaha, B. Langenecker.

GERMAN, per, Naturwissenschaften, Vol 42, 1955, p 55b. 9233464

AEC ANL-tr-318

Activities of the Isotope Institute of the National Atomic Energy Committee, by Pal Tetenyi, 15 pp.

HUNGARIAN, per, Magyar Tudomanyos Akademia Kemini Osztalyanak Közlemenyei, Vol 25, No 4, 1966, pp. 419-429.

JPRS 3/895

Scientific
Nuclear Science & Technology (Contd)

Heat Treatment of Oxides of Uranium and Uranium-Thorium Obtained by the Sol-Gel Process, by G. Cogliati.

ITALIAN, per, Energia Nucleare, Vol 13, No 5, 1966, pp 243-250.
*AEC ORNL tr-1408

Electron Spin Resonance Study of Radical Pairs Trapped in Irradiated Single Crystals of Dimethylglyoxime at Liquid Nitrogen Temperature, by Yukio Kurita.

JAPANESE, per, Nippon Kagaku Zasshi, Vol 85, No 12, Dec 1964, pp 833-842.
*AEC NSJ-tr-76

Theoretical Considerations on the Contributions of Chemical Reactions to the Separation Factor of Isotopes, by Hidetake Kakihana, et al.

JAPANESE, per, Nippon Kagaku Zasshi, Vol 86, No 2, Feb 1965, pp 151-157.
*AEC NSJ-tr-77

Pressurized Electrostatic Accelerator Lech, by L. Bobrowski, et al.

POLISH, per, Nukleonika, Vol VIII, No 1, 1963, pp 1-28.
AEC-tr-4919

The Eurex Plant, by G. Gallori, et al.

ITALIAN, per, Notiziario CIEN, Vol 12, No 3, 1966, pp 33-38.
AEC RISLEY tr 1042

A Method of Activation Analysis for Competing Reactions by Using Reactor Neutron Spectra, by H. Kato and H. Seino.

JAPANESE, per, Radioisotopes, Vol XIV, 1965, pp 468-474.
*AEC AERE Harwell 115-48

On Natural Radioactivity of Atmospheric Precipitation and Some Problems Related to it, by B. I. Styro, Ch. A. Garbalyauskas.

LITHUANIAN, per, Lietuvos TSR Mokslu Akad. Darbai, Serija B, Vol 4, No 31, 1962, pp 23-39.
P011029766
AEC tr-6754

Characteristics and Comparison of the Destructive Factors of Nuclear Weapons of Small and High Power, by Josef Janik. 20 pp.

POLISH, per, Przegląd Wojsk Lądowych, Vol 5, No 2(44), 1963, pp 125-140. P100028766
FTD-TT-64-1369

Scientific
Physics

Determination of the Synchrocyclotron Accelerating Voltage Using the Intensity Dependence on the Frequency Modulation, by A. N. Safonov.

RUSSIAN, rpt. 1966.
*AEC 2443

The Fine Structure of Rayleigh Scattering Lines of Light in Gases, by I. L. Fabelinskiy.

RUSSIAN, per, Ak Nauk SSSR, Issled. Ekip. Teor. Fiz. Fiz. Inst., 1959, pp 254-260. P911045866
AEC UCRL-tr-10053

The Phenomenon of Generation by a Circular Cylinder and a Sphere, by A. M. Goncharenko, B. A. Sotskiy.

RUSSIAN, per, Dokl Ak Nauk Belorussk SSR, Vol VIII, No 12, 1964, pp 784-787.
Dept of Navy 4818/APL/JHU TG 230-T477

On the Diffraction of Partially Coherent Light, by B. A. Sotskiy, A. M. Goncharenko.

RUSSIAN, Dokl Ak Nauk Belorussk, Vol IX, No 7, 1964, pp 438-440.
Dept of Navy 4819/APL/JHU TG 230-T478

Calculation of a Laser Monopulse During Instantaneous Switch-in of an Interferometer, by A. M. Samson, V. A. Savva.

RUSSIAN, per, Dok Ak Nauk Belorussk SSR, Vol IX, No 1, 1965, pp 22-26.
Dept of Navy 4817/APL/JHU TG 230-T473

Small Size Spectrometer of High Resolution With Non-Homogeneous Magnetic Field for Analyzing Light Gases, by N. E. Alexeskiy, A. V. Dubrovian.

4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXVI, No 5, 1966, pp 1088-1090.
Dept of Navy Tr 4813/ONI Tr 2210

The Controlability of Dynamic Systems, by Yu. M.-L. Kostyukovskiy, 6 pp.

RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 167, No 6, 1966, pp. 1245-1248.
JPRS 37221

A Linear Exchange Model, by I. O. Globenko, 6 pp.

RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 169, No 2, 1966, pp. 295-298.
JPRS 37708

Scientific
Physics (Contd)

Heating of a Bilayer Sheet in Welding With a Laser Beam, by N. N. Rykalin, A. A. Uglov, and N. I. Makarov, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 169, No 3, 1966, pp. 565-568.
JPRS 37856

Converters of H Waves into E Waves, by P. L. Kapitsa.
RUSSIAN, rpt, Elektronika Bol'shikh Moshchnostey Sbornik No 4, pp 7-52.
1965.
*ACSI J-00887
ID 2204050366

Structure of Shock Waves in KCl and KBr at a Dynamic Pressure of up to 200,000 Atmospheres, by A. N. Drem'in, S. V. Parakhin, V. F. Pogorelov, 8 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp. 3-9.
JPRS 37560

On Investigations of Continuous Detonations in a Ring Channel, by V. V. Mikhailov, M. E. Topol'skiy, 5 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp 20-23.
JPRS 37560

Gasless Compounds as a Simple Combustion Model for Non-Volatile Condensed Systems, by E. I. Makimov, A. G. Merchanov, V. M. Shkire, 8 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp 24-30.
JPRS 37560

Sliding of Detonation and Shock Waves on a Liquid Surface, by A. A. Borisov, S. M. Kogarko, A. V. Lyubimov, 9 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No. 4, 1965, pp 31-38.
JPRS 37560

On Problem of Ignition of Condensed Systems by Radial Energy, by V. M. Vilyunov, O. B. Sidonskiy, 7 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp 39-45.
JPRS 37560

Scientific
Physics (Contd)

Combustion of Condensed Mixtures with Polydispersing Components, by S. A. Tsyganov, N. N. Bakhman, V. V. Evdokimov, 8 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp 44-51.
JPRS 37560

On Influence of Hydrostatic Pressure on Parameters of Underwater Explosion, by F. A. Baum, N. S. Sanasaryan, 13 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp. 52-62.
JPRS 37560

On Wave Distribution in a Limited Elastoplastic Rod Under a Lengthwise Stroke, by G. G. Konstantinov, L. L. Marchenko, K. Kh. Shkhdinek, 10 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp. 63-70.
JPRS 37560

Explosion Effect on a Surface Dynamic Compression of Potassium Nitrate, by S. S. Batsanov, A. A. Deribas, E. V. Dalepov, M. G. Ermakov, V. M. Radinov, 6 pp.
RUSSIAN, per, Fizika Goreniya i Vozryva, No 4, 1965, pp. 76-82.
JPRS 37560

Ionitoy, by A. B. Pashkov, et al.
RUSSIAN, bk, Gosudarstvennyi Komitet Khimicheskoi Promyshlennosti.
*AEC LA-tr-66-63

Movement of Plasma Clusters Through Longitudinal Magnetic Fields, by V. I. Vasil'yev, V. S. Komel'kov.
RUSSIAN, rpt, Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoy Energii SSSR, Institut Atomnoy Energii im I. V. Kurchatova [IAE-1016] 1965.
*ACSI J-0902
ID 2204050566

High Energy Interaction (Complex Moment Theory and Experiment), by K. Ter-Martirosyan.
RUSSIAN, rpt, Institute of Theoretical and Experimental Physics, 1966.
*AEC 2440

Kinetic Theory of Drift Dissipative Plasma Instabilities, by A. A. Rukhadze, et al.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N.J. Jul 11 to 15, 1966.
*AEC LA-NT tr-51

Scientific
Physics (Contd)

Plasma Equilibrium in Closed Toroidal Magnetic Configurations, by V. D. Shafranov.
RUSSIAN, rpt, International Symposium on Experimental and Theoretical Aspects of Toroidal Confinement held in Princeton, N.J. Jul 11 to 15, 1966.

*AEC NATT tr 32

Measurement of the Speed of Gas in an Inflam-
mable Medium, by G.D. Salanandra, I.K. Fedoseyeva.
19 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 7, Jul 1964, pp 47-52. P100030466
FTD-MT-65-184

Application of the Zonal Method of Calculation
to Asymmetric Problems of Thermal Conduction, by
Yu.V. Vidin, G.P. Boykov. 19 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 7, Jul 1964, pp 75-79. P100030466
FTD-MT-65-184

The Decay of Re^{184} , by V. Ageyev, et al.
RUSSIAN, rpt, Issledovanie Izlucheniya Re^{184} ,
Dubna, 1966.
*AEC ORNL-tr-1442

Investigation of Parameters of Two Types
of Spectrometer Stabilization Systems, by
V. I. Prihod'ko, V. G. Tishin.
RUSSIAN, rpt, Issledovanie Parametrov
dvukh Tipov Sistem Stabilizatsii
Spektrometrov, JINR-P-2707, 1966, 19 pp.
*AEC
EDC Nov 15

Method of Experimental Determination of the
Emissivity of Solids, by V. K. Mol'nikov.
RUSSIAN, per, Izvestiya Ak Nauk LatSSR, Fizi-
cheskikh i Tekhnicheskikh Nauk, No 4, 1965,
pp 99-106.
*FTD-MT-66-111

Linearized Unsteady None Equilibrium Flows
of Compressible Gas, by Zh. S. Sislyan.
RUSSIAN, per, Iz Ak Nauk SSSR, Mekhanika
Zhidkosti i Gaza, No 2, 1966, pp 37-46.
*NASA TT F-10,380

Investigation of Certain Solid Solutions Based
on Ferroelectric-Antiferromagnetic $BiFeO_3$, by
Yu.N. Venetsev, G.S. Zhdanov, et al.
RUSSIAN, per, Izv. Akad. Nauk SSSR, Ser. Fiz.
Vol 28, No 4, 1964, pp 683-690. P11966766
ABC ORNL-tr 1304

Scientific
Physics (Contd)

Magnetohydrodynamic Theory of the Pinch Effect
in a High-Temperature Dense Plasma, by
V.S. Inshennik, V.F. D'iachenko.

RUSSIAN, rpt, K Magnitogidrodinamicheskoi Teorii
Pinch-Effekta V Vysokotemperaturnoi Plotnoi
Plazme, Moscow, 1965. P111045366
AEC tr-6781

Continuous Catalytic Oxidation of Cyclohexols
With Air Under Pressure, by M. S. Furman, et
al,
RUSSIAN, per, Khim. Prom., No 4, 1960, pp265 -
272.
ATS RJ-2989

Mixing of Viscous-Plastic Dispersed Systems
with the Aid of a Stirrer, by A. A. Erofeyev
and M. V. Tyabin,
RUSSIAN, per, Khim. Prom., No 5, 1959, pp 436-
441.
ATS RJ-2936

Explosion Hazard of Mixtures of Nitrogen Oxides
with Combustible Gases and Vapors, Mixtures of
Nitric Oxide and Nitrogen Dioxide at Atmospheric
Pressure, by S. D. Brandt, et al,
RUSSIAN, per, Khim. Prom., No 3, 1961, pp 204-
210.
ATS RJ-2935

Thermal Conductivity of Saturated Hydrocarbons
at High Temperatures and Pressures, by
A. K. Abas-Zade, et al.
RUSSIAN, per, Khim. Tekhnol. Topliva, Gaz,
Vol 11, No 2, 1966, pp 54-57.
*AEC SC-T-66-0736

The Frequency Method of Measuring Logging of
Magnetic Susceptibility, by Yu. I. Kuryavtsev.
RUSSIAN, per, Leningrad Univ. Uchenyye Zapiski,
Voprosy Geofiziki, No 266, 1960, pp 87-93.
*AEC

Magnetohydrodynamic Flux for High Magnetic
Reynolds Numbers by E. P. Velikhov.
RUSSIAN, rpt, Paper No 101 given at the II
International Symposium on Magnetohydrodynamic
Electric Power Generation, V. Kurchatov
Lenin Order Atomic Energy Institute,
July 4-8 1966 at Salzburg, Austria, 6 pp.
*AEC

Scientific
Physics (Contd)

Dimensional Measurements and Flow Deflection, by C. Brebant, E. Roussel. RUSSIAN, rpt, Paper on Non-Destructive Testing in Nuclear Technology, Vol 11, 17-21 May, 1965, pp 151-166.

*NASA

Steady Creep of Symmetrically Loaded Circular Plates, by N. N. Malinin. RUSSIAN, per, Sb. Stat. Mosk. Vyssh. Tekh. Uchilishcha Imeni N. E. Bauman, Vol 26, 1953, pp 221-238. NLL RTS 3088

Comparison of the Elsasser and Goody Models of the Spectral Absorption Band of Infrared Radiation, by Water Vapor, by N. I. Kozhevnikov. RUSSIAN, bk, Sobshcheniya Gosudarstvennogo Astronomicheskogo Instituta im. P. K. Shternberga, No 131, 1964, pp 3-9. ITD-IT-66-617

Influence of the State of a Molecular Compound on Concentration of Atoms of the Substance of an Alternating Current Arc, by A. V. Milyus. RUSSIAN, bk, Spektroskopiya Metody i Primenenie, 1964, pp 15-17. *NASA

Investigation of the Surface Tension of Liquid Sodium and Potassium, by A. N. Solov'ev, O. P. Makarova. RUSSIAN, per, Teplofizika Vysokikh Temperatur, Vol 4, No 2, Mar/Apr 1966, pp 189-193. AEC Risley tr 1050

Distortion of a Temperature Field in Which a Thermocouple is Fitted, by V. N. Popov. RUSSIAN, per, Teplofizika Vysokikh Temperatur, Vol 4, No 2, Mar/Apr 1966, pp 261-268. AEC Risley Tr 1055

Relation of the Distribution Coefficient of an Electrolyte to the Solvation Energies and Activation Coefficients of its Ions, by N. V. Ionin, N. V. Kurin. RUSSIAN, per, Trudy Akad. Nauk SSSR, Khim. Analit. Khimii, Vol 14, 1963, pp 87-98. P911068666 AEC ORNL-tr-1306

Radiant Heat Transfer in the Vicinity of the Stagnation Point of a Blunt Body, by Z. S. Galanova. RUSSIAN, per, Vest Leningrad Univ. Ser Mat Mekh i Astron, No 1, 1966, pp 120-130. *Dept of Navy/APL/JIU J-850

Scientific
Physics (Contd)

Gamma Radiation of Uranium and Products of its Decay in Radioactive Ore Bodies, by Yu. P. Lyubavin, et al. 7 pp. RUSSIAN, per, Vopr. Rudn. Geofiz. Min. Geol. i Otkrany Nedr. SSSR, No 3, 1961, pp 87-94. *AEC

High Temperature Expansion Coefficients for ZrC Hfc Nbc and Tac Yu, by Yu. B. Paderno and Andreyeva Dudnik, et al. RUSSIAN, per, Vysokotemperaturnye Neorganicheskie Soedineniya, 1965, pp 293-296. *AEC LASL 115-67

Contribution to the Problem of Revising Some Calculations of Explosive Charges, by A. I. Morin. RUSSIAN, per, Vzyvnoye Delo Nauch. Tekh. Gorn. Ushchest, Sbornik, No 55/12, 1964, pp 69-80. P911029866 AEC UCRL-tr-10051

Formation of Charged Pion Mesons in Collisions Between 600 MeV Neutrons and Protons, by V. P. Dachelepov, et al. RUSSIAN, per, Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki, Vol 50, 1966, pp 1491-1504. *AEC LA-tr-66-59

The Simultaneous Polarographic Determination of Oxygen and Hydrogen Peroxide in the Process of Their Formation Under the Influence of Radiation, by V. I. Medvedevskiy. RUSSIAN, per, Zhurnal Fizicheskaya Khimiya, Vol XXXII, 1958, pp 932-934. *AEC 115-58

Relation of Sound Velocity in Liquid to Its Saturated Vapor Pressure, by G. A. Sangina. RUSSIAN, per, Zhurnal Fizicheskaya Khimiya, Vol XL, 1966, pp 450-451. *AEC 115-78

Application of Optical Quantum Generators (Lasers) in Photography, by V. N. Gintsov. RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii, Vol 11, 1966, pp 65-68. *AEC

The Oblique Impact of a Solid Body on Soil, by L. Ya. Izubina and A. S. Pavitskiy, 18 pp. RUSSIAN, per, Zhurnal prikladnykh matematiki i tekhnicheskoy fiziki, No 1, Jan-Feb 1966, pp. 81-92. JPRS 37704

Scientific
Physics (Contd)

On an Effect Which Stabilizes the
Wavy Front of a Laminar Flame, by
Ya. B. Zel'dovich.
RUSSIAN, per, Zhur Prikl Mekh i Tekh
Fiz, No 1, 1966, pp 102-104.
*Dept of Navy/APL/JHU J-856

Operation of a Ruby Laser With Inclined Mirrors,
by V. L. Brouko, V. V. Zaika, 16 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 3, No 3, 1965, pp 225-229. P100052066
FTD-IT-66-310

The Mechanism of Radioluminescence of Alkali-Halide
Phosphor Crystals, by T. A. Gsovik, 16 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 3, No 3, 1965, pp 279-282. P100052066
FTD-IT-66-310

On Numerical Calculation of Supersonic
Flow of a Viscous Gas Over Blunt Bodies,
by A. I. Tolstykh.
RUSSIAN, per, Zhur Vych Mate i Mat Fiz,
Vol VI, No 1, 1966, pp 113-120.
*Dept of Navy/APL/JHU J-853

Hypersonic Flow of Air Dissociating in
Equilibrium Over a Sphere, by V. V. Lunev,
V. G. Pavlov.
RUSSIAN, per, Zhur Vych Mate i Mat Fiz,
Vol VI, No 1, 1966, pp 121-129.
*Dept of Navy/APL/JHU J-854

On the Solution of the Dispersion
Equation for a Linearized Boltzman Equation
in the Kinetic Theory of Rarefied Gases,
by A. A. Arsen'ev.
RUSSIAN, per, Zhur Vych Mate i Mat Fiz,
Vol VI, No 2, 1966, pp 375-380.
*Dept of Navy/APL/JHU J-860

Method for the Preparation of Catalysts, by
S. A. Roginskiy,
RUSSIAN, pat, Patent No 48,208.
ATS RJ-2965

Method for Making 3-quinuclidone, by M. V. Rob-
tsov and E. E. Nikhlina, et al,
RUSSIAN, pat, Patent No 154,265.
Dept of Comm
Patent Office

Nonferrous Accelerator for Charged Particles, by
Ye. A. Abramyan, et al.
RUSSIAN, Patent 103,808, 5 Apr 1963.
*FTD-IT-66-003

Scientific
Physics (Contd)

Calculation of the Thermodynamic
Functions of Chemically Reactive Gases,
by V. B. Nesterenko, V. P. Bubnov.
BELORUSSIAN, per, Vestsi Ak Navuk BSSR,
Ser Fiz-Tekh Navuk, No 1, 1966, pp 5-14.
*NASA TT F-10,400

Diffraction of Electromagnetic Waves
on Two Parallel Discs, by Ye. A. Ivanov,
14 pp.
RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964. P100066266-V
FTD-TT-65-1655

Diffraction of the Field of a
Horizontal Magnetic Dipole on Two Discs,
by Ye. A. Ivanov, 12 pp.
RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964. P100066266-V
FTD-TT-65-1655

Numerical Calculation of Two-Dimensional
Flow in a Boundary Layer, by
I. V. Petukhov, 28 pp.
RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964. P100066266-V
FTD-TT-65-1655

The Non-Iterative Solution to Direct
Geodetic Problems on Medium and Long Dis-
tances, by Ch'en Chun-yung, 18 pp.
CHINESE, per, Ts'e-hui Hsueh-pao, Vol IX,
No 2, Feb 1966, pp. 87-99.
JPRS 37092

A Study of Chemical Shift in the Nuclear Magnetic
Resonance of Fluoride Ions in Crystals and in
Solutions, by F.N. Skripof, Wang I-tseu. 49 pp.
CHINESE, per, Ku Li Hsueh Pao (Acta Physica
Sinica), Vol 20, No 1, pp 41-54. P100050466
FTD-TT-65-1051

An Investigation of the Polygonization of Molybdenum
and its Alloys, by Tan Shu Song, H.L. Bernshteyn.
22 pp.
CHINESE, per, Ku Li Hsueh Pao (Acta Physica Sinica)
Vol 20, No 6, 1964, pp 528-539. P100028666
FTD-TT-65-876

Scientific
Physics (Contd)

Interference Measurement of Homogeneity of Laser Resonator for the Laser, by V. Bocsek, V. Ment. 3 pp.
CZECH, per, Jedna Mechanika a Optika, No 1, 1965, pp 5-6. P100050966
FID-IT-66-44

Infrared and Ultraviolet Birefringent Chain Filters, by I. Solc. 3 pp.
CZECH, per, Jedna Mechanika a Optika, No 4, 1966, pp 112.
ACSI J-0593
ID 2204043366

Our Physics in 1945-1965, by L. Zachoval.
CZECH, per, Rokroky Matematiky, Fyziky a Astronomie, Vol 10, No 3, June 1965, pp 125-130.
ACSI I-9698
ID 22040261-66

Process for the Fabrication of an Electric Discharge Tube in a Gas Containing a Certain Quantity of Tritium and Electric Discharge Tube in a Gas Obtained According to This Process,
DUTCH, Patent No 97,478, 9 Sep 1965.
*AEC 115-73

Raman-Spectrum and Mesomery of Trifluoroacetamide, by R. Fonteyne.
FLEMISH, per, Natuurwetenschappelijke Tijdschrift, Vol XXIV, 1942.
*ACSI J-0975
ID 2204051666

Horizontal Cryostat for Targets of Polarized Protons, by P. Roubeau. 79 pp.
FRENCH, rpt, Oct 1965.
*AEC

Manufacture of Mixed Uranium and Plutonium Oxide Pellets by Sintering. 12 pp.
FRENCH, rpt
AEC TR-1233

Texture Study of Divided Solids by Gas Adsorption: Application to Beryllia, Alumina, and to Gels and Oxides, by Francois Rouquerol,
FRENCH, rpt, CEA-R-2947.
*AEC ORNL TR-1443

Rate (Speed) Constants for Decomposition of Polyatomic Metastable Ions, by J. Rouquy.
FRENCH, per, Bulletin Societes Chimiques Belges, Vol 70, 1961, pp 291-306.
AEC UCHL-tr-1328

Scientific
Physics (Contd)

Opinion Study on the Sonic Bang, by de Brissac.
FRENCH, rpt, Centre d'Etude et d'Instruction Psycholog. de l'Armee de l'Air, Study 22, 1966.
R.A.E. Tr. No 1159

"A Physical-Chemical Method of Analysis in Organic Solution by Measurement of the Dielectric Constant," by Andre Chretien.
FRENCH, per, Compt. Rend., Vol 195, 1932, pp 792-794.
*AEC-ORNL-Tr-1426

"Existence of a Commonly Occurring Iodine Complex in Organic Solution, by Andre Chretien.
FRENCH, per, Compt. Rend., Vol 199, 1934, pp 639-641.
*AEC-ORNL-Tr-1429

"A New Compound of Phenol and Aniline," by Pierre Laurent.
FRENCH, per, Compt. Rend., Vol 201, 1935, pp 554-556.
*AEC-ORNL-Tr-1427

"A Systematic Study of the Reactions of Phenols and Amines in Organic Solutions by Measurement of the Dielectric Constant, by Nguyen Quang Trinh.
FRENCH, per, Compt. Rend., Vol 226, 1948, pp 403-405.
*AEC-ORNL-Tr-1428

Variation of the Absorption of Ultrasonic Energy in Some Cavitating Solutions as a Function of Concentration, by Maurice Degrois, Dordj Badilian, 4 pp.
FRENCH, per, Comptes Rendus, Vol CCLXI, 1965, pp 4655-4656.
Dept of Navy 4888/NRL 1070

Determination of the Maximal Diameter of Bubbles Oscillating Under the Effect of Ultrasonic Radiation, by Maurice Degrois, Pietro Baldo, 5 pp.
FRENCH, per, Comptes Rendus, Vol CCLXI, 1965, pp 5338-5341.
Dept of Navy 4889/NRL 1071

Ground Reflection of Waves Emitted, by Andre Auriole, Jean-Bernard Moyere.
FRENCH, per, Compt. Rend Math., Series A, Vol 262, 1966, pp 70-73.
*AEC

Scientific
Physics (Contd)

Thermodynamic Losses in Ultrasonically Produced Cavitation Bubbles, by Maurice Degrois, Berdj Badilian. FRENCH, per, Comptes Rendus, Vol CCLXII, 1966, pp 326-329. *Dept of Navy/NRL

Hot Studies of Magnesium Glasses in the Vulvain Installation, by A. Jouan and J. P. Brossard, et al. FRENCH, rpt, Etude en Actif des Ceres Magnesiens dans L'Installation Vulvain, rpt CSSI-60. *AEC ORNL TR -1444

Study of Thick, Nuclear-Compensated Silicon Detectors, by Yves Le Coroller. FRENCH, rpt, Etude des Detecteurs Epais au Silicium Compense Nucleairement, Feb 1965. *NASA

Study of the Thermal Conductivity and of the Viscosity of an Ionic Current According to the Grad Method, by Claude Do. FRENCH, per, Journal de Mecanique, Vol 2, No 3, Sep 1963, pp 301-311. *AEC

Free, Stable Radicals in Solution for Dynamic Polarization in a Weak Field, by R. Besson, H. Lemaire, 7 pp. FRENCH, rpt, Proceedings of the XIIth Colloque Ampere Bordeaux, 17-21 Sept 1963, pp 327-333. Dept of Navy 4914/ONI 2217

Pot Vitrification Study of the Flow of Glass, by A. Magne, FRENCH, rpt, Vitrification en Pot Etude de la Coulee de Verre, rpt SCCI-61. *AEC ORNL TR-1445

Process and Apparatus for Resolution of Gas Mixtures, in Particular for Separation of Isotopes in the Gas Phase, FRENCH, pat, Patent No 1,258,461. Dept of Comm Patent Office

Experimental Investigation of Aspect-Independent Sonar Reflectors Designed According to the Principle of Inhomogeneous Lenses, by F. Mechel, P. Wille. GERMAN, per, Acustica, Vol XVI, No 5, 1966, pp 305-311. *Dept of Navy/NRL

Scientific
Physics (Contd)

A Capillary Arc Source for the Production of Hg^+ Ions, by L. Roth. GERMAN, per, Exper Tech der Physik, Vol XIII, No 6, 1965, pp 420-425. Dept of Navy 4826/APL/JHU T-1899

Detonation Process in Cylindrical Explosive Charges With Axial Cavity, by Hans Ahrens, 19 pp. GERMAN, per, Explosivstoffe, Jun 1965, pp 155-164. Dept of Navy 4919/ONI 2214-B

Statistical Handling of Atoms, by P. Gombas. GERMAN, per, Handbuch der Physik, Vol XXXVI, Atoms II, pp 109-229, 1956. *ACSI J-0955 ID 2204051166

Thermodynamics of a Two-Component Liquid Metals MHD-Power Assembly with Injectorm, by K. A. Yakimovich and E. E. Shpilrain, et al. GERMAN, rpt, International Symposium on Magneto-Hydrodynamic Electrical Power Generation, Austria 1966, 12 pp. *AEC ANL 115-,104

Semiconductor Detectors and Their Use, by H. Jungelaussen. GERMAN, per, Kernenergie, Vol 8, 1965, pp 513-541. AEC UCRL-tr-1326

Measurements of Electron Temperature in an Argon-potassium-plasma, by W. Riedmuller. GERMAN, rpt, Messungen der Elektronentemperatur in einem Argon-Kalium Plasma. *AEC 245.

Investigation of Cavitation Bubbles, by H. Gallant. GERMAN, per, Osterreichische Ingenieur-Zeit, Vol V, 1962, pp 74-83. *Dept of Navy/NRL

Green's Function Method in the Theory of the Absorption of Light by Impurity Centers in Solids, by A. F. Lubchenko, G. M. Pavlik. GERMAN, per, Physica Status Solidi, Vol 7, 1964, pp 105-119. PD11067666 AEC SC-T-66-732 Pt 1

Scientific
Physics (Contd)

A Medium in the Electromagnetic Field of a Laser Wave as an Optical Lattice, by R. Enderlein.

GERMAN, per, Physica Status Solidi, Vol XIV, No 1, 1966, pp 97-108.
Dept of Navy 4827/APL/JHU T-1900

Holographic Interferometry of Diffusely Reflecting Objects, by H. Nassenstein.

GERMAN, per, Physics Letters, Vol 21, No 3, 1966, pp 290-291.

*AEC

Measurement of the Isotopic Shift by Cs¹³⁴, by H. Huhnermann, H. Wagner.

GERMAN, per, Physics Letters, Vol 21, 1966, pp 303-304.

AEC UCRL-tr-1327

Change of the Saturation Magnetization Through Omnilateral Pressure, by H. Ebert, et al.

GERMAN, Physikalische Zeitschrift, Vol 38, 1937, pp 437-445.

*AEC

The Use of the Liquid Ion Exchanger "PC-Amin-KH sec" for the Estimation of I¹³¹, by H. Zaduban.

GERMAN, per, Radiochimica Acta, Vol 5, No 1, 1966, pp 34-37.

*AEC 2462

Contribution to the Durchschlag Problem of Thin-Walled Spherical Shells, by

K. Kloppel, Otto Jungbluth Darmstadt, 27 pp.
GERMAN, per, Der Stahlbau, Vol XXII, No 6, 1953.

Dept of Navy 4815/DTMB T-308

Investigations on the Multiple Emission of Secondary Electrons, by Peter Haussler.

GERMAN, per, Zeitschr. f. Physik, Vol 179, 1964, pp 276-284. 1911068806

AEC ORNL-tr-1267

Study of the Process of Tetramethyleterazene Decomposition in an Acid Medium Using

Gas Chromatographic and Spectrophotometric Methods, by Corrado Bighi, 11 pp.

ITALIAN, per, Annali di Chimica, Vol LVI, No 1-2, Jan-Feb 1966, pp 48-59.

Dept of Navy Tr 4814/ONI Tr 2212

Scientific
Physics (Contd)

Fluid Systems Electric Circuits by Analogy With Fluid Dynamics by

Giovanni Emilio Buzzelli, 18 pp.

ITALIAN, per, Industria Italiana Elettrotecnica ed Elettronica, No 4, 1966, pp 316-324.

ACSI J-0595

ID 2204043466

Effect of Crystal Orientation on Microhardness of Nickel Single Crystals, by

N. La Vecchia, W. Nicodemi.

ITALIAN, per, Metallurgia Italiana, Vol LVII, No 9, 1965, pp 321-326.

*NASA

Theoretical and Experimental Analysis of Turbulent Compressible Boundary Layers Around A Hypersonic Configuration, by Ugo Ponzi, et al.

ITALIAN, per, Ricerca Scientifica, Vol 8, Part II-A, Jul-Aug 1965, pp 936-946.

*NASA

A Note on the Composition of Cerium-TTA Complexes and the Oxidation of Cerium III Ion, by H. Yoshida, et al.

JAPANESE, per, Bunseki Kagaku (Japan Analyst), Vol 15, 1966, pp 513-516.

*AEC ORNL-tr-1385

Study of Color Flame Compositions of Fireworks: Theoretical Development of the Line Reversal Method for Temperature Measurement of Flame - Temperature Measurement of Flame by Means of Line Reversal, by Takeo Shimizu, 45 pp.

JAPANESE, per, Journal of the Industrial Explosives Society of Japan, Vol XIX, No 5, 1958.

Dept of Navy Tr 4880/ONI Tr 2201

The Viscoelastic Behavior of High Polymer Solids. Part 2. Stress Relaxation, by

M. Chira, et al,

JAPANESE, per, Kenkyu Hokoku, No 52(3), 1960, pp 29-37.

ATS JJ-2975

The Viscoelastic Behavior of High Polymer Solids Part 3. Effect of Chemical Treatment on the

Internal Structure, by M. Chira, et al, JAPANESE, per, Kenkyu Hokoku, No 53(6), 1960, pp 9-16.

ATS JJ-2976

Scientific
Physics (Contd)

Visible and Ultraviolet Absorption Spectra of (Fe(III)(CN)5X) Type Complexes, by N. Matsuoka, Y. Shimura, 7 pp. JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXXIV, No 6, 1963, pp 496-499. ATS-31T91J

Elementary Analysis of Rocks and Soils by Fluorescent X-ray Spectrography (1) Qualitative Elemental Analysis and Construction of Briquettes for Quantitative Analysis, by Yasuo Takishima. JAPANESE, per, Nippon Dojo-Ihryugaku Zasshi, Vol 34, No 10, 1963, pp 371-375. P911030566 AEC UCRL-tr-10048

Gaseous Centrifuge and the Separation of Argon Isotopes, by Yoshitoshi Oyama, Kenji Yamaguchi. JAPANESE, per, Rika Gaku Kenkyusho Hokoku, Vol 40, No 4, Jul 1964, pp 215-232. P911067866 AEC K tr-21

Ion Optics Part I Ion Optics by First Order Approximation, by H. Matsuda. JAPANESE, per, Shitsuryo Bunseki, Vol 12, No 25, 1964, pp 47-58. P911069266 AEC NP-tr-1403-Pt 1A

Ion Optics Part I Ion Optics by First Order Approximation (Continued), by H. Matsuda. JAPANESE, per, Shitsuryo Bunseki, Vol 12, No 26, 1964, pp 105-113. P911069266 AEC NP-tr-1403 Pt 1B

Ion Optics Part II Second-order Aberration, by H. Matsuda. JAPANESE, per, Shitsuryo Bunseki, Vol 12, No 27, 1964, pp 165-179. P911069266 AEC NP-tr-1403 Pt 2A

Ion Optics Part II Second-order Aberration (continuation), by H. Matsuda. JAPANESE, per, Shitsuryo Bunseki, Vol 13, No 29, 1965, pp 59-70. P911069266 AEC NP-tr-1403 Pt 2B

On the Polarization of Certain Ions, by V. V. Mckeivicius. LITHUANIAN, per, Lietuvos TSR Mokslu Akad. Vol 4, 1964, pp 81-85. AEC UCRL-tr-1325

Adsorption of Ions from Aqueous Solutions on Metal and Oxide Surfaces, by E. Herczynska. POLISH, rpt, Adsorpcja Jonow z Roztworow Wodnych na Powierzchni Metali i ich Tlenkow, *AEC 115-38

Scientific
Physics (Contd)

X-Ray Induced Luminescence in Alkali Halides Containing Heavy Halide Impurities, by Ya. A. Valbis. POLISH, per, Latvijas PSR Zinatna Akademijas Vestis, No 2, 1965, pp 63-71. *AEC 2465

Dynamic Properties of Thin, Semi-Infinite Cylindrical Shells Exposed to Stationary Vibrations, by Josef Wieckowski. POLISH, per, Prace Inst Maszyn Przeplywowych, Polska Akad Nauk, No 20, 1964, pp 23-48. P100031766 FTD-TT-65-1088

Experimental Investigations of Liquid Sodium Heat Transfer and Fluid Flow in the Laboratory, by Fr. Kaminski. POLISH, rpt, Zagadnienia Ciepne imPrzeplywy w Konwekcyjnej Petli Sodowej, *AEC 115-46

Remarks With Respect to the Problem of Transition Radiation in the Visible Part of the Spectrum, by Stanislaw Michalak, et al. POLISH, per, Zesty Nauk. Uniw. Lodz. Ser. II, Vol 17, 1964, pp 53-57. *AEC ONWL-tr-1382

Propulsion & Fuels

Investigation of Technological Lubricants Based on Salt Mixtures for Hot Rolling of Tubes, by G.A. Rodionova, Ya.S. Finkel'shteyn, et al 21 pp. RUSSIAN, per, Ak Nauk SSSR. Institut Fizicheskoy Khimii. Fiziko-Khimicheskiye Zakonomernosti Deystviya Smazok Pri Obrabotke Metallov Davleniyem, 1965, pp 124-135. P100030866 FTD-TT-65-118

Effect of the Lubricating Property of a Surface on the Transfer Process in Systems Consisting of a Drop-Form Liquid and a Solid Body. by U. M. Smol'skiy, et al. RUSSIAN, per, Ak Nauk BSSR. Institut Teplo- i Massoobmena. I Massoobmen Tel S Okruzhayushchey Gazovoy Sredoy. Minsk, Nauka i Tekhnika, 1965, pp 130-137. *FTD-TT-66-595

Scientific
Propulsion & Fuels (Contd)

Aircraft Engines, by V. A. Tyutyunov,
S. I. Lovinskiy.
RUSSIAN, bk, Aviatsionnyye Dvigateli,
Moscow, 1964, pp 310-327.
*FTD-MT-66-41

Control System for the TurboNAMI-053 Automotive
Gas Turbine Engine by N. N. Zakharov,
A. N. Krapiventsev, 14 pp.
RUSSIAN, per, Avtomobil'naya Promyshlennost',
No 4, 18-22.
ACSI J-0755
ID 2204047266

Road Tests of the ZIL-127 Bus With
TurboNAMI 053 Gas-Turbine Engine,
by V. K. Fesenko, A. P. Kuznetsov. 9 pp.
RUSSIAN, per, Avtomobil'naya Promyshlennost',
No 5, 1964, pp 23-26.
ACSI J-0665
ID 2204045366

New Design Scheme of a Precombustion Chamber
Engine, by L. A. Gussak, D. A. Gussak. 8 pp.
RUSSIAN, per, Avtomobil'naya Promyshlennost',
No 12, 1965, pp 3-5.
ACSI J-0664
ID 2204045266

Automobile Gas Turbine Engines, by
M. A. Kossov.
RUSSIAN, rpt, Avtomobilnye Gazoturbinnyye
Dvigateli, 1964, pp 2-6; 25-35; 103-112;
119-126; 147-166; 171, 176-179; 187-191;
204-208; 216-219; 225-229; 233, 238-242; 285-291;
306-309; 313-314; 318-323; 332-364.
ACSI J-0578
ID 2218220865

Selection of the Optimal Degree of Reaction of
the Stages of a Gas Turbine With Unshrouded Blades
by G. V. Prokuryakov. 19 pp.
RUSSIAN, per, Energomashinostroyeniye, No 5, 1965,
pp 14-17. P100026266
FTD-TT-65-1721

Control of Impermeability of Fuel Elements by
Autoclaving in Helium - Case of the G2 Reactor,
by B. Blanc, et al.
FRENCH, rpt, Fuel Element Fabrication, Vol 2,
Proceedings of a Symposium held in Vienna,
May 10-15, 1960, 1961, pp 3-28.
*AEC

Scientific
Propulsion & Fuels (Contd)

The Optimum Design for By-Pass Engines
with Flow Mixing, by A. Hartmann.
GERMAN, rpt, W.G.L.-JB, 1964, pp 353-361.
OT 8286
TIT 00125

Testing of the Gas Turbine Unit GT-700-5
and its Regenerator Under Operational Conditions
by N. I. Belokon', et al.
RUSSIAN, per, Gazovaya Promyshlennost', No 11,
1965, pp 16-24.
*ACSI J-0870
ID 2204049866

On the Calculation of the Wavelength
of a Flame During Vibration Combustion
in Tubes, by S. K. Aslanov.
RUSSIAN, per, Inzhen Fiz Zhur, Vol X,
No 3, 1966, pp 382-384.
*Dept of Navy/APL/JHU J-859

Radiation- Induced Copolymerization of Tetra-
fluoroethylene With Isobutylene. 1. Synthesis
of the Copolymer., by Kenkichi Ishigure, et al.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 68, No 3,
Mar 1965, pp 558-561.
*AEC NSJ-tr-75

Radiation-Induced Copolymerization of Carbon
Monoxide With -Olefines; Such as Propylene,
Butene-1, and Isobutylene, by Kumao Imanouchi,
et al.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 68, No 4,
Apr 1965, pp 700-702.
*AEC NSJ-tr-74

Axial Pumps of Water - Jet Propulsion
Systems, by Abram Nutovich Papir.
RUSSIAN, rpt, Osevyeye Nasosy Vodometnykh
Dvizhiteley, 1965, 250 pp.
*Dept of Navy/DTMB

Test-Stand Study of a Forced Jet Chamber for
Liquid Fuel, by V.I. Khvostov, V.I. Solonin.
18 pp.
RUSSIAN, per, Teploenergetika, No 5, 1965,
pp 77-81. P100051966
FTD-MT-66-195

Shshua and Shshu Gear-Type Liquid Meters.
RUSSIAN, per, Transport i Khraneniye Nefti
i Nefteproduktov, March 1965, pp 39-40;
*ACSI J-0845
ID 2204049466

INFORMATION RECEIVED DURING OCTOBER

ON COVER-TO-COVER TRANSLATIONS

Acta Biochimica Polonica, Vol XIII, No 3,
1966
CFSTI TT 66-57010/3

Doklady Akademii Nauk SSSR, Physical Chemistry
Section, Vol CLXIII, No 1-6, Jul-Aug 1965.
CB

Acta Medica Jugoslavica, Vol XIX, No 2, 1965
CFSTI TT 65-50408/2

Elektrokimiya, Vol I, No 12, 1965.
CB

Acta Physiologica Polonica, Vol XVI, 4, 1965.
CFSTI TT-65-50308/4.

Elektrosvyaz, Vol XX, No 3, 1966.
IEEE

Acta Poloniae Pharmaceutica, Vol XXIII, No 1,
1966.
OTS TT 66-57004/1.

Endokrynologia Polska, Vol XVI, No 5-6, 1965
CFSTI TT 65-50307/5-6

Aptekhnoye Delo, No 4, 1966.
JPRS 38160

Gigiena i Sanitariya, Vol XXIX, No 12, 1964.
CFSTI TT-65-50023/12

Archivum Immunologiae Et Therapiae Experimentalis,
Vol XIV, No 3, 1966
CFSTI TT 66-57006/3.

Hung-ch'i, No 12, 1966.
JPRS 38,213.

Archivum Immunologiae Et Therapiae
Experimentalis, Vol XIV, No 4, 1966
CFSTI TT 66-57006/4

Isdeliya Radiopromyshlennosti, Analogovaya
Vychislitel'naya Tekhnika, Vol IV, 1966.
JPRS 38038

Avtomatika i Telemekhanika, Vol XXVII, No 2,
1966.
Instrument Soc of Amer

Ismeritel'naya Tekhnika, No 2, 1966.
Instrument Soc of America

Il'ten Instituta za Yuklearne Nauke Boris
Kidric, Vol XVII, No 2, 1966.
AND TR-6646/2

Izvestiya VUZ Priborostroyeniye, No 3, 1966.
JPRS 38133

Bulleten' Eksperimental'noi Biologii i Meditsiny,
Vol LX, No 11, 1965
CB

Kibernetika, No 3, 1966.
JPRS 38096

Doklady Akademii Nauk SSSR, Biochemistry
Section, Vol CLXIV-CLXV, No 1-6, Sep-Dec,
1965.
CB

Kommunist, No 13, Sept 1966,
JPRS 38,364.

Kosmicheskiye Issledovaniya, Vol IV, No 1, 1966.
FTD-TT-66-76/1-2

Doklady Akademii Nauk SSSR, Physical
Chemistry Section, Vol CLXII, No 1-6, May-June
1965.
CB

Medycyna Doswiadczalna I Mikrobiologia
Vol XVII, No 4, 1965
CFSTI TT 65-50304/4

Medycyna Doswiadczalna I Mikrobiologia,
Vol XVIII, No 1, 1966
CFSTI TT 66-57005/1

Nauchno-Tekhnicheskaya Informatsiya, No 4,
1966.
JPRS 38120

Optika i Spektroskopiya, Vol XX, No 6, 1966
Optical Society of America

Polski Archiwum Medycyny Wewnietznej, Vol XXIV,
No 7, 1965
CFSTI TT 66-57007/2

Polski Przegląd Radiologii i Medycyny
Nuklearnej, Vol XXX, No 1, 1966
CFSTI TT 66-57002/1

Polski Tygodnik Lekarski, Vol XX, No 18,
1965
CFSTI TT 66-57007/3.

Priladnaya Biokhimiya i Mikrobiologiya,
Vol I, No 4, Jul-Aug 1965.
Faraday Press

Przeglad Epidemiologiczny, Vol XIX, No 3-4, 1965.
CFSTI TT 65-50300/3-4.

Radiotekhnika, Vol XXI, No 3, 1966.
IEEE

Rudarsko-Metalurski Zbornik, No 1, 1966.
CFSTI TT 66-59003-1

Sovetskoye Ziravookhraneniye, Vol XXV, No 6,
1966,
JPRS 38116

Tekhnika i Vooruzheniye, No 8, 1966.
*ACSI J-0910

Tekhnika i Vooruzheniye, No 9, 1966.
*ACSI J-1054

Tyl i Snabzheniye Sovetskikh Vooruzhennykh
Sil, Vol XXVI, No 7, 1966.
ACSI J-0725
ID 2204045866

Tyl i Snabzheniye Sovetskikh Vooruzhennykh
Sil, No 8, 1966.
*ACSI J-0916

Vestnik Akademii Meditsinskikh Nauk SSSR,
Vol XXI, No 7, 1966.
JPRS 38,258.

Vestnik Akademii Nauk SSSR, Vol XXXVI, No 7,
1966.
JPRS 38,265.

Vestnik Protivovozdushnoy Oborony, No 8, 1966.
*ACSI J-0911

Vestnik Protivovozdushnoy Oborony, No 9,
1966.
*ACSI J-1055

Voyenno Meditsinskiy Zhurnal, No 4, 1966,
ACSI J-0169
ID-2204032366

Voyenno Meditsinskiy Zhurnal, No 6, 1966.
ACSI J-0579
ID 2204042566

Voyennyy Vestnik, No 6, June 1966
ACSI J-0431

Voyennyy Vestnik, No 9, 1966, pp 1-119, 125-127.
*ACSI J-0949

Zhurnal Analiticheskoi Khimii, Vol XX, No 11,
1965.
CB

Zhurnal Analiticheskoi Khimii, Vol XX, No 12,
1965,
CB

Zhurnal Strukturnoi Khimii, Vol VI, No 6, 1965.
Consultants Bureau

ACTA BIOCHEMICA POLONICA
Vol XIII, No 3, 1966

CONTENTS

Grażyna Palamarczyk and W. Tysarowski, Modification of D-lactate dehydrogenase from anaerobically grown yeast	193
W. Drabikowski and Marta Stahl, The effect of pH on the binding of nucleotides by actin	199
Maria Erecińska, Ubiquinone in proline oxidation	209
Alicja Bardoń and W. Rzęczycki, Depolymerization of ribonucleic acid by mitochondrial basic protein of hog kidney	217
J. Popinigis and W. Rzęczycki, The effect of basic proteins on the oxidation of exogenous NADH₂ in rat liver mitochondria	223
J. Kryściak, H. Ostrowski and R. Ryś, Changes in the content of free amino acids in pig blood plasma after ingestion of food	229
Małgorzata Zan-Kowalczevska, Halina Sierakowska and D. Shugar, Synthesis of uridine-3'-naphthylphosphate and cytochemical localization of ribonuclease by the azo-dye coupling technique	237
W. Szer, Interaction of polyribothymidylic acid with metal ions and aliphatic amines	251
Barbara Mazur and J. Buchowicz, Dihydropyrimidinase activity in pea plants	267
W. Sendekci, S. Perzyński and M. Bagdasarian, Properties of <i>Escherichia coli</i> ribosomes obtained by precipitation at low pH values	275
Books reviewed (in Polish)	R11

Available From CPSTI TT 66-57010/3

ACTA MEDICA IUGOSLAVICA
Vol XIX, No 2, 1965

TABLE OF CONTENTS

	Page
M. Tajić:	
A Method for the Determination of Testosterone and Androstendione in Urine. Values in Normal Controls and Patients	5
D. Cupić, Lj. Kržalić, B. Beleslin and Lj. Mihailović:	
Seasonal Variations in the Content of Free Amino Acids in the Brain of a Hibernator (<i>Citellus citellus</i>)	19
V. Bezjak, M. Kuliš, E. Burka, J. Beaković and I. Ponte:	
Search for an Antibiotic Active against the Pathogenic Fungus <i>Cryptococcus Neoformans</i> . Isolation of Actinomycetes from Soil and Testing of Their Antibiotic Activity	25
M. Deželić, M. Trkovnik, V. Jovanović, and S. Huković:	
Anticoagulant Activity of Newly Synthesized Derivates of 6-Fluoro-4-Hydroxycoumarin	43
S. Pagon, Lj. Kraljević, J. Bakić, A. Jakobušić, J. Sokolić, and T. Skaričić:	
Determination of Antibiotic Substances (Phytoncides) in Dalmatian Plants and Their Action on Infected Wounds	51
S. Plesničar and M. Faganel:	
Cancer of the Esophagus in Slovenia, Yugoslavia	71

Available From CPSTI TT 65-50408/2

ACTA PHYSIOLOGICA POLONICA
Vol XVI, No 4, 1965

CONTENTS

	Page
A. Trzebski, A. Choroszevska, I. Janczarski: Polypeptides with Oxytocic Properties Liberated from the Proteins of Uterine Mucosa Secretion . . .	413
J. Jankowiak, G. Straburzyński: Experimental Studies on the Influence of Subtivaccine on the Course of Anaphylactic Shock . . .	423
A. Poptawski, K. Worowski: Comparative Studies on Platelet and Erythrocyte Thromboplastic Activity of Various Animal Species . . .	430
J. Grzesik, W. Smolarz: Studies on the Effect of Acoustic Stimuli on the State of the Peripheral Blood Vessels . . .	436
H. Kirschner: Certain Characteristics of the Physiological Simple and Compound Rhythm of Muscle Work . . .	442
E. Modrzejewski: Investigation on the Influence of Various Intravenously Introduced Anesthetics on the Blood Oxygen and Carbon Dioxide Levels in Experimental Animals . . .	454
M. Wiśliński, T. Studziński: Spectrophotometric Studies on the Affinity Towards Oxygen of Different Variants of Hemoglobin in the Simentaler Cattle . . .	468
W. Moskwa, J. Rostkowska: Effect of a Constant Magnetic Field on the Fermentation and Sensitivity to Toxins of Yeast . . .	474
J. Gawęcka, W. Gumulka: Investigations on the Mechanism of the Hypotensive Effect of Some Monoaminoxidase Inhibitors . . .	480
S. Czakala: Influence of Elevated Temperature on Some Physiological Indices in Goats . . .	490
W. Barej, G. Kulasek, J. Kita, A. Dziqba: Effect of Adrenocorticotrophic Hormone and High Ambient Temperature on the Metabolism of Nitrogen Compounds in Young Pigs. I. Total Nitrogen Metabolism . . .	503
W. Barej, G. Kulasek: Effect of Adrenocorticotrophic Hormone and High Ambient Temperature on the Metabolism of Nitrogen Compounds in Young Pigs. II. Amino Acids in Blood Serum and Urine . . .	512
K. Strzyżewski: Behavior of Erg in Pigeon under Conditions of Daylight and Twilight Adaptation . . .	518
D. Yonemura, K. Strzyżewski, I. H. Jacobson: Influence of the Site of Application of the Neutral Electrode on the Appearance of Erg of the Opposite Sign in the Unilluminated Eye . . .	523
W. Hołobut, W. Hubicki, A. Kolqtał, J. Matysik: Oscillopolarographic Determination of Adrenaline and Noradrenaline in Aqueous Solutions . . .	531
A. Wenclewski, L. Działoszyński: Arylsulfate Sulfhydrolase (3.1.6.1) Activity of Subcellular Fractions of the Brain in Ontogenetic Development . . .	537
T. Szepletowski, W. Dolata, K. Skóra: Method of Measuring the Rate of Absorption of the Isotope ¹³¹ I for Determining Blood Supply of the Heart Muscle . . .	543

Available From CFSTI TT- 65-50308/4

ACTA POLONIAE PHARMACEUTICA
Vol XXIII, No 1, 1966

CONTENTS

S. Biniecki, Z. Kolodyńska, W. Złukowska: Synthesis of 4-[(3',4'-Methylene-dioxyphenyl)-ethylamino]-quinazoline and the Condensation Products of 4-Chloroquinazoline with Ethyl Uretan and Thiosinamine	1
J. Plechaczek, H. Bojarska-Dahlig: Studies on Monoaminoxidase Inhibitors. VII. Quinoline Carboxylic Acids Derivatives	9
T. Tkaczyński: Synthesis of Ethyleneamines. VIII. Condensation of N-Alkyl-N'-acetyl-ethylenediamines with Ethylene Oxide and Cyclization of Resulting Products to N-Alkylpiperazines	18
T. Tkaczyński: Synthesis of Ethyleneamines. IX. Synthesis of 1-Amino-2-methylaminoalkanes	22
Z. Machoń, T. Zawisza, L. Kuczyński: Synthesis of 3,5,5-Trialkyl-2,4-oxazolidones	26
Z. Kotula: Decationization of the Solutions of Streptomycin Sulfate on Resex P. Cation Exchanger	32
Z. Margasiński, R. Danielak, H. Rafałowska: Thin-Layer Chromatography of Benzothiadiazine Derivatives	38
D. Małysz, Z. Nowakowska: Determination of 5-Chloro-7-iodo-8-quinolinol	41
A. M. Chodakowski, S. Jeske: Colorimetric Determination of Phenacetin and Codeine Acetylsalicylic Acid in Composed Powders	50
S. Deptuła: Evaluation of the Methods for Determination of Oxytocin	59
J. Zurkowska, A. Ożarowski: Cardenolide Glycosides. XIII. Chromatographic Separation of Helveticoside, Corchoroside and Strophantidine	63
L. Szarras, J. Zurkowska, A. Ożarowski: Cardenolide Glycosides. XIV. Investigation of Stability of Alpha-Acetyldigitoxin in Tablets, Drops and Ampoules	68
W. Wiśniewski, Z. Gołucki: Stability of Anhydrous and Hydrated Ointment Bases Containing Palm Oil	74
W. Rustecki, J. Brzeziński: Influence of Sodium Selenate on Acute Thallium Poisonings	81
W. Lasota, W. Fortak: Studies on <i>Paxillus involutus</i> . II. Changes in Some Parenchymal Organs of Young White Rats Fed with Dried <i>Paxillus involutus</i>	81

Available From TS TT 66-57004/1

PHARMACEUTICS

- USSR -

No. 4

[Following is a translation of the Russian-language journal Aptechnoye Delo (English version above), Moscow, No 4, 1966, pages 3-94. Additional bibliographic information accompanies each article.]

CONTENTS

	<u>Page</u>
Implementing the Decisions of the 23rd Congress of the CPSU	1
Designing and Equipping Analytical-Control Laboratories of Pharmaceutical Administrations	4
Coating Tablets with High-Molecular Film-Forming Compounds. Report II. Obtaining an Ethylcellulose Coating with Increased Rate of Dissolution	11
Flame Photometry in Determination of Activity of Ointments	18
Use of the Elmix III Disperser in Preparing Pharmaceutical Suspensions	24
Investigation of Preparations Obtained from Water Pepper Herb	30
Differentiation of Roots and Rhizome of <u>Glycyrrhiza Uralensis</u> Fisch. and Those of <u>Glycyrrhiza Glabra</u> L.	36
Quantitative Determination of Arbutin in Bearberry Leaves	42
Choline Content in Certain Plants	49
Photocolorimetric Determination of Aminazine, Diprasine and Frenolone	53

(Continued)

Available From JPRS 38160

APTECHNOYE DELO
No 4, 1966

CONTENTS (continued)

Spectrophotometric Determination of Papaverine Hydrochloride and Platyphyllin Hydrotartrate in Tablets	60
Photocolorimetric Determination of Pharmaceutical Preparations by the Complex-Ester Group. Report II. Determination of Novocaine	65
Extraction of Strophantine G from Aqueous Solutions by Using Certain Organic Solvents	70
Determination of Chromium by a Fractional Method in Chemical-Forensic Investigations	74
Medicinal Services to the Public of Uzbekistan	84
Light and Sound Signalling System to Protect "List A" Substances	87
Eye and Nose Drops in the Form of Ready-to-Use Medicinal Forms	91
Safety Techniques in Sterilizing Solutions Under Pressure	100
Remarks on the Publication of <u>Farmakopeya SSSR</u>	102
On the Article by R. M. Nazarov	104
Methods of Quantitative Determination of Sulfanilamide Preparations	106
Russian Pharmacopoeias in the Capitalist Period	115
Experiences in the Work of the Yaroslavl' Division of the Scientific Pharmaceutical Society	123
State Control Institute for Medicinal Agents	125
Bulgarian Medicinal Crude Material of Plant Origin	128
Bicentenary of the Birthday of V. M. Severgin	131
Scientific-Practical Conference in Kirovabad	134
Scientific-Practical Conference in Nakhichevan' na Araks	137
Methods for Preparing Some New Nonpharmacopoeal Infusions and Decoctions	140

Available From JPRS 38160

ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS
Vol XIV, No 3, 1966

CONTENTS

	Pag.
HENRYKA GODZIŃSKA: Immunoelectrophoretic Analysis of Guinea Pig Sera	263
ANNA LUCZKIEWICZ-MULCZYKOWA: Heredity and Antigenicity of Gm Group System Characteristics	275
STEFAN RASZEJA and REGINA KABZA: Behavior of Species-Specific Inhibitor of Phyto-hemagglutination in Patients	298
MARIAN TRUSZCZYŃSKI, BOGNA BORKOWSKA and LEON KOGUT: Individual Differences in the Sensitivity of Sheep Erythrocytes to the Hemolytic Action of Serum Complement and Hemolysin	306
HALINA MORDARSKA: Antigenic Structure of Microorganisms of the Species <i>Nocardia asteroides</i> . I. Characterization and Chemical Analysis of Strains	311
ANNA D. INGLÓT, MARIA ŁOBODZIŃSKA, IRMINA BIERNACKA and EWA NIEDŹWIEDZKA: Changes in the Production of Interferon in the Process of Adaptation of Influenza Type A2 Virus to the Mouse Lung	333
MIROSLAW KANTOCH and BARBARA KUCZKOWSKA: Studies on the Differentiation of Variola and Vaccinia Viruses	339
MALGORZATA KONIECZNA, HELENA SZALATY, BARBARA KUCZKOWSKA and MIROSLAW KANTOCH: Susceptibility of Primary and Continuous Cell Lines to Vaccinia Virus	350
BARBARA ZUPAŃSKA, STANISŁAW SZMIGIELSKI, JOANNA LITWIN and JACEK ZIELIŃSKI: Cytoenzymatic Changes in the Course of Experimental Osteomyelosclerosis in Rats	356
STANISŁAW SZMIGIELSKI, JOANNA LITWIN and BARBARA ZUPAŃSKA: The Cytologic and Cytoenzymatic Differentiation of Idiopathic Pancytopenias and Preleukemic States	363
ANTONI FALKIEWICZ, ADAM PACYŃSKI, ZDZISŁAW PŁAMIEŃIAK, FRANCISZEK WOJCIECHOWSKI, JAN ŚWIĄTKOWSKI and WOJCIECH ZAWADA: Epidemiologic Studies on Arterial Hypertension in Lower Silesia	370
ANTONI FALKIEWICZ, ADAM PACYŃSKI, ZDZISŁAW PŁAMIEŃIAK, FRANCISZEK WOJCIECHOWSKI, JAN ŚWIĄTKOWSKI and WOJCIECH ZAWADA: Arterial Hypertension in Relation to the State of Nutrition	378
JÓZEF LISOWSKI: The Effect of Fe ⁺⁺ Ions on Spectrophotometric Measurement of Proteolytic Activity	383
JÓZEF LISOWSKI and ZBIGNIEW WIECZOREK: Sephadex Gel Filtration of Blood Cells	387
JAN SROCZYŃSKI and KAZIMIERZ ZAJUSZ: Histoenzymatic Reactions in Experimental Lead Poisoning in Rabbits	391

Available From CPSTI TT 66-57006/3

PRINTED BY Drukarnia Uniwersytetu Jagiellońskiego, KRAKÓW

ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS
Vol XIV, No 4, 1966

[CONTENTS

TADEUSZ MICHAŁ LACHOWICZ, MARIAN MULCZYK and URSZULA MALERZ: Hybrids of <i>Escherichia coli</i> and <i>Shigella flexneri</i> 1b	405
ANNA PRZONDO-HESSEK: Bacteriophages of <i>Klebsiella</i> Bacilli. Isolation, Properties and Use in Typing	413
HALINA MORDARSKA: Antigenic Structure of Microorganisms of the Species <i>Nocardia asteroides</i> . II. Immunologic Activity of Antigenic Components	436
MIECZYSLAW METZGER and WŁADYSŁAWA SMOGÓR: Study of the Effect of pH and Eh Values of the Nelson-Diesendruck Medium on the Survival of Virulent <i>Treponema pallidum</i>	445
MARIA ŁOBODZIŃSKA, ANDRZEJ MORAWIECKI, JANINA ZIELIŃSKA and ZOFIA SKURSKA: The Biologic Action of Orosomucoid and its Polymer on the Asiatic Influenza Virus	454
ZBIGNIEW WIECZOREK, JERZY ZWOLIŃSKI and MARIA CZAJKA: The Use of Red Blood Cells Enzymized with Pancreatic Extract in the Middlebrook-Dubos Hemagglutination Test	464
JERZY ZWOLIŃSKI, ZBIGNIEW WIECZOREK and MARIA CZAJKA: The Middlebrook-Dubos Hemagglutination Test in Clinical Pulmonary Tuberculosis	471
JANINA BOGUSŁAWSKA-JAWORSKA, JANINA KWIATKOWSKA and TADEUSZ BARANOWSKI: Studies on Glycolysis of Red Blood Cells in Anemias. I. Congenital Microspherocytosis	478
ELWIRA LISOWSKA: Periodate Oxidation of the Mucoïd from Horse Erythrocytes	484
WOJCIECH CENDROWSKI: Concerning the Reaction to Encephalitogenic Factor in Familial Multiple Sclerosis	491
WANDA DOBRYSZYCKA: Peroxidase Activity of the Haptoglobin-Hemoglobin Complex in Iodination of Tyrosine	493
HENRYK IWANOWSKI and JAN HUTNY: Chromatographic Analysis of Phosphate Esters of Sugars and Nucleotides in the Sphincter Muscles of Sweetwater Clams	508
JANUSZ PATKOWSKI and JULIAN POMORSKI: Synthesis and Pharmacologic Properties of the N-Oxide of the Diethylaminoethyl Ester of Diphenylacetic Acid (N-Oxide of Adiphenine)	516
ALICJA PELCZARSKA: Studies on the Central Action of Two Spatial Isomers of 1-Methyl-5-Allyl-5-β-Hydroxypropylbarbituric Acid	524
JAN WATRAS, JAN SROCYŃSKI and GERARD JONDERKO: Some Hematologic Indices in Experimental Lead Poisoning and during Prophylactic Treatment with Disodium-Calcium Versenate	529
JAN SROCYŃSKI, GERARD JONDERKO and JAN WATRAS: Iron Metabolism Studied with the Isotope ⁵⁵ Fe in Experimental Lead Poisoning	536

Available From FSTI TT 66-57006/4

PRINTED BY Drukarnia Uniwersytetu Jagiellońskiego, Kraków

EDITORIAL BOARD OF
AVTOMATIKA I TELEMEXHANIKA

D. I. Ageikin	I. M. Makarov
M. A. Aizerman	V. S. Malov
A. B. Chelyustkin	B. N. Petrov
(Assistant Editor)	Yu. P. Portnov-Sokolov
E. G. Dudnikov	B. S. Sotskov
N. Ya. Fests	A. A. Tal'
V. A. Il'in	(Corresp. Secretary)
A. G. Iosif'yan	V. A. Trapaznikov
V. V. Kuz'netsov	(Editor-in-Chief)
E. Ya. Kogan	Ya. Z. Tsypkin
V. S. Kulebakin	G. M. Ulanov
S. A. Lebedev	A. A. Voronov
A. Ya. Lerner	S. V. Yablonskii
A. M. Letov	
(Assistant Editor)	

Automation and Remote Control

A translation of *Avtomatika i Telemekhanika*, a publication of the
Academy of Sciences of the USSR

Vol. 27, No. 2

February, 1966

CONTENTS

	PAGE	RUSS. PAGE
CONTINUOUS CONTROL SYSTEMS		
Construction of Successive Approximations for Several Optimal Control Problems. R. Gabasov and F. M. Kirillova	183	5
Control of the Heating of "Linearly" Viscoelastic Plates in the Case of Thermal Stress Limitations. N. N. Golub'	195	18
Statistical Description of Signal Filtering. Yu. K. Alimov	206	28
DISCRETE SYSTEMS		
Generalized Discrete Analog of the Zadeh-Ragazzini Problem. P. Kovanits	215	37
Control of Linear Systems by Means of Variable-Structure Floating-Control Regulators without "Pure" Derivatives in the Control Law. III. V. A. Taran	226	49
Number of Trees in a Graph. II. A. K. Kei'mans	233	56
AUTOMATA		
Construction of Addition and Subtraction Blocks, Operating on an Unweighted Grey Code, from Weighted Modular Cells. A. D. Chudakov	242	66
TECHNICAL MEANS		
Optimal Non-Linear Transformation of Signals from Several Instruments, Taking the Unreliability of Their Operation into Account. E. P. Gil'bo and B. Chelpanov	246	70
Multistable Pulse-Frequency Elements. V. P. Sigorskii, L. S. Sitnikov, and L. L. Utyakov	252	76
COMPUTER CONTROL TECHNIQUE		
Interface Unit for Control-Computer Communication with Controlled Objects. A. K. Davydovskii, N. A. Korolev, N. N. Lenov, and Yu. V. Nifontov	257	82
Errors in the Numerical Integration of Stationary Random Processes. V. V. Bykov and V. P. Malatchuk	266	93
REMOTE CONTROL AND INFORMATION SYSTEMS		
Determination of the Message Holding Time in the Transmission of Remote Control Information. R. P. Zyblov	272	100
On a Test Control Problem. L. A. Pchelintsev	279	107
NOTES		
Analytical Design of Optimum Linear Digital Regulators. P. D. Krut'ko	281	109
Harmonic Linearization of Systems with Logical Control Rules. K. K. Kuz'minov	286	113
Damping Automatic Systems by Means of Motors with Inertia Dampers. G. A. Ovanest'yants, E. A. Fabrikant, and O. I. Yanushkevich	290	117
Analysis of a Combined Control System with an Automatic Adjustment of the Disturbance Control. V. M. Perel'muter	296	123

(Continued)

Available From Instrument Society of America

AVTOMATIKA I TELEMEXHANIKA
Vol XXVII, No 2, 1966

		RUSS.
	PAGE	PAGE
Nonlinearity Considerations of Diode Volt-Ampere Characteristics in the Separate Design of Semiconductor Switching Circuits. <u>N. P. Kunitskii and N. P. Kunitskii</u>	303	129
Analysis of AC Correcting Devices for Signal Demodulation and Modulation. <u>V. I. Gostev</u>	309	134
Mathematical Model for Predicting Gradual Failures of System Components. <u>V. O. Kurt-Umerov</u>	318	142
Parameter Scatter, Stability, and Lifetime of FSK Series of Photoresistors. <u>N. I. Tyushkevich</u>	324	147
DISCUSSIONS		
The Gulf between Theory and Practice. <u>A. M. Letov</u>	329	152
CONFERENCES, MEETINGS, AND SYMPOSIA		
International Symposium: "Automatic Control in the Peaceful Uses of Space." <u>M. A. Bermant and V. I. Utkin</u>	334	156
Symposium: "The Theory of Self-Adaptive Control Systems." <u>M. V. Meerov</u>	336	157

The Russian press date (podpisano k pechatu) of this issue was 2/8/1966.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Instrument Society of America

BILTEN INSTITUTA ZA NUKLEARNE NAUKE BORIS KIDRIČ
Vol XVII, No 2, 1966

TABLE OF CONTENTS

	Page
Radiation damage in steel with medium and high carbon content, by Slobodanka R. Veljković, Aleksa Šćepanović, and Vladeta Stefanović	77
Surface wave measurements on the positive column of a mercury vapor arc, by Božidar A. Aničin	89
A standard graphite block, by Magdalena Ivković, Zoran Zdravković, and Obrad Šotić	97
Talc dehydration kinetics, by Snežana Bošković, Miroslav Gašić, Branislav Živanović, and Momčilo M. Ristić	113
Separation of tryptic peptides of alpha and beta chains of hemoglobin in hooded rats, by Dobrivoje Marinković	125
Separation of globin from hooded rat hemoglobin into alpha and beta chains after alkylation with ethylenimine, and their composition, by Dobrivoje Marinković and Dušan Kanazir	135
Thermodynamic characteristics of self-diffusion in α -uranium, by Danica Cerović, Aleksandar Mihajlović, and Momčilo M. Ristić	145
Thermodynamic aspects of B. pinea sintering kinetics, by Vojin Mikijelj and Momčilo M. Ristić	148
A practical laboratory cold box for use in biochemical investigations from +4° to -15°C, by Miroslav Milošević	152

Available From AEC TR-6646/2

BYULLETEN'
EKSPERIMENTAL'NOI
BIOLOGII I MEDITSINY

EDITORIAL BOARD

V. N. Chernigovskii
S. Ya. Kaplanskii
G. N. Kryzhanovskii
(Secretary)
L. D. Liozner
I. N. Maitskii
V. A. Negovskii
V. V. Parin
(Editor)
L. A. Pevnitskii
V. A. Sanotakii
S. M. Shenderov
L. L. Shik
A. A. Solov'ev
N. N. Zhukov-Varezhnikov
(Assistant Editor)

BULLETIN OF EXPERIMENTAL
BIOLOGY
AND MEDICINE

A translation of BYULLETEN' EKSPERIMENTAL'NOI
BIOLOGII I MEDITSINY.

a publication of the Academy of Medical Sciences of the USSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING
CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 60, Number 11

November, 1965

CONTENTS

	PAGE	RUSS. PAGE
PHYSIOLOGY		
Functional State of the Vestibular System of Man Kept in a Hermetically Sealed Space for 120 Days—Yu. G. Grigor'ev and Yu. V. Farber	1219	3
Experimental Study of the Function of the Acoustic Analyzer in Man Using the Method of Investigation of Functional Mobility—L. M. Kurilova	1222	6
Vasomotor Effects in Internal Organs Depending on Quantitative Changes in Impulses Flowing along Postganglionic Fibers—V. P. Kulagina	1226	10
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY		
Reaction of the Pituitary-Adrenal System of Irradiated Rats to Repeated Stress—E. R. Bagramyan .	1230	15
Effect of Adaptation to Heat on the Nonspecific Resistance of the Body—V. D. Lindenbraten . .	1235	19
Dynamics of Cardiac Contraction in Pulsus Alternans—L. S. Ul'yaninskii and L. G. Khabinskaya .	1237	21
The Tonic Influence of the Lung Receptors on the Respiratory Center and the Mechanism of Dyspnea in Lung Lesions—Z. N. Sergeeva and S. I. Frankshtein	1241	25
Increase in Serotonin (5-Hydroxytryptamine) Sensitivity of Segments of the Colon of Rats with Avitaminosis K Caused by Ligation of the Bile Duct—N. G. Bogdanov and B. V. Polushkin	1244	28
Adaptability of the Pancreas to the Quality of the Food During Exposure to High Temperature and Insolation—K. Rakhimov	1247	30
Mechanism of Changes in the Blood Picture During Prolonged Nociceptive Stimulation —V. V. Kravtsov	1251	34
Permeability of the Blood-Brain Barrier to P^{32} in Peprone Shock—V. N. El'skii	1253	36
The Pathogenesis of Carbon Monoxide Poisoning and Its Combined Treatment—V. A. Pukhov . .	1256	39
Changes in Blood Protein Fractions in Dogs after Autotransplantation of the Kidneys and Spleen —A. A. Lebedev, B. K. Korolev, and V. I. Ratnikov	1259	42
BIOCHEMISTRY AND BIOPHYSICS		
Isolation of Properdin Preparation from Bovine Blood Serum and Study of Its Properties —G. Ya. Rozenberg, V. Ya. Vissarionova, Yu. M. Mikhailova, N. D. Papush, and V. Ya. Chernyak	1262	45

Annual Subscription: \$95

Single Issue: \$30

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever
without permission of the publisher. Permission may be obtained from Consultants Bureau, A
Division of Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011, U.S.A.

Available From Consultants Bureau

CONTENTS (continued)

	PAGE	RUSS. PAGE
Characteristics of β -Fetoprotein of the Human Fetus—S. S. Vasileiskii	1266	48
Turnover of Rat Brain Phospholipids during Hypoxia and Post-Hypoxia—V. Ya. Dvorkin	1269	50
PHARMACOLOGY		
The Influence of Certain Neuropsychotropic Substances on Food Selection and Its Regulation in Dogs—F. A. Levtova	1273	54
The Effect of Amino Alcohols of the Acetylene Series on the Central Nervous System —M. A. Razumova and A. T. Selivanova	1277	58
The Anti-Shock Activity of Large Doses of Cyanocobalamin—I. S. Badyuzin.	1282	62
MICROBIOLOGY AND IMMUNOLOGY		
Pathological Changes in the Tissues of the Chick Embryo at Various Ages Caused by the Action of a Virus—G. B. Yurovskaya	1284	65
Detection of the Antigenic Properties of Ehrlich's Mouse Carcinoma Cells after Treatment with Lonin-3—E. V. Montsevichyute-Eringene	1287	68
A Study of the Possibility of Induction of Histoimmune Shock in an Isologous Genetic System —A. S. Shevelev	1291	72
ONCOLOGY		
The Metastasis of Rat Kidney Carcinoma RA—M. S. Lomakin and Yu. S. Krivoshein ...	1294	76
The Effect of Prolactin on Mammary Gland Carcinoma in Rats and Mice—M. -Kh. B. Chalov.	1297	79
Protein Content of Cell Nuclei in Brain Tumors of Man—E. D. Tomina and L. Z. Pevzner ...	1301	83
EXPERIMENTAL BIOLOGY		
Behavior of Fish in the Zone of Radiation Source—G. M. Pravdina	1305	88
Ratio of the Sexes in the Offspring of Female and Male Rats Irradiated in Various Periods of Their Ontogenesis—E. A. Pozhidaev	1309	92
Duration of the Inhibiting Influence of Antirionidase Serum and Its γ -Globulin Fraction on the Mitotic Activity of Tumor Cells—S. V. Sukhorukikh	1313	96
Some Conditions Affecting the Morphological Differentiation of the Pars Intermedia of the Pituitary Gland—A. A. Volkovich	1316	99
MORPHOLOGY AND PATHOMORPHOLOGY		
Succinic Dehydrogenase Activity and SH-Group Content in Cat Superior Cervical Sympathetic Ganglion in Rest and Excitation—V. V. Portugalov, I. B. Krasnov, and E. L. Dovedova ..	1320	103
Regeneration of the Mammary Gland in the Guinea Pig—B. A. Kuosaitė	1323	106
Compensatory Changes in the Lymphatic Tissues of the Peritoneal Cavity in the Rabbit after Splenectomy and Stimulation with Leucocytic Serum—A. I. Sludskaya	1327	110
Utilization of Thymidine- H^3 Labelled DNA of Thymocytes by Cells of the Regenerating Liver —S. I. Koval'chuk	1331	114
METHODS		
Method of Recording the Minute Volume of the Heart in Rabbits by Means of P^{23} —K. M. Émer and V. I. Kandror	1335	118
Method for Producing Genetic Recombinants of <i>Escherichia coli</i> and <i>Shigella flexneri</i> —N. S. Motavkina	1339	121
Use of Electronic Automatic Potentiometer for Electrophysical Measurements—V. S. Korytnyi	1342	124

The Russian press date (podpisano k pechatl) of this issue was 11/15/1965.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Consultants Bureau

DOKLADY BIOCHEMISTRY

A translation of the Biochemistry Section of *Doklady Akademii Nauk SSSR*

Volume 164-165

September-December, 1965

CONTENTS

Engl./Russ.

VOLUME 164

Structure of Products of Photo-oxidation of Porphyrins—I. F. Gurinovich, G. P. Gurinovich, A. N. Sevchenko, and S. M. Tauger.	249	201
Activation of Auxin Oxidase by Purification on Sephadex G-75 Gel—N. N. Dmitrieva and T. A. Krupnikova.	253	205
Interdependence of Synthesis and Transport of RNA in Cells—V. V. Terskikh, M. L. Lerman, and G. P. Georgiev.	256	208
Role of Anticodons of Transport RNA in Reaction with Aminoacyl-RNA Synthetase—L. Yu. Frolova, L. L. Kiselev, and V. A. Engelhardt.	260	212
Efficiency of Oxidative Phosphorylation in Yeast Mitochondria—R. A. Zvyagil'skaya and A. V. Kotel'nikova.	264	448
Identity of the Molecular Weight of Diphtheria Toxin and Toxoid as Shown by Gel Filtration Data—N. I. Shapiro and I. V. Moskvicheva.	267	451
Isolation of Acetyl Phosphate, Formed in Liver Homogenates During Transformations of Citric Acid—M. F. Gulyi, T. N. Pechenova, and L. I. Matusevich.	270	686
Species Specificity of Soluble RNA and of Aminoacyl-RNA Synthetase of Some Plants—T. M. Ermokhina, M. A. Stambolova, G. N. Zaitseva, and A. N. Belozerskii.	272	688
Effect of Duration of Ultraviolet Irradiation of Solutions of Formaldehyde and Ammonium Salts on the Composition of the Resulting Mixture of Amino Acids—V. S. Sidorov.	276	692
Effect of Papaverine and of Some Inhibitors on Creatine Kinase of Skeletal Muscle—E. P. Chetverikova.	280	696
Mechanism of "Aging" of Cholinesterase Inhibited by Organophosphorus Compounds—V. I. Rozengart and E. K. Balashova.	283	937
Analogues of Uridinediphosphate Glucose in Reactions with UDPG 4-Epimerase—T. N. Druzhinina, M. A. Novikova, and G. L. Zhdanov.	286	1176
Uptake of O ₂ by Chloroplasts under Illumination in Presence of Malonate—I. M. Mosolova, R. M. Bekina, E. S. Mikhailova, and N. M. Sisakyan.	289	1179
Heterogeneity of Messenger Ribonucleic Acids Synthesized at Early Stages of Embryogenesis—M. Ya. Timofeeva and K. A. Kafiani.	293	1183
Synthesis of AU-Type RNA in Animal Cells—K. G. Gazaryan, N. G. Shuppe, and B. D. Prokoshkin.	297	1413
Mechanism of Suppression of Protein Synthesis in Cells Attacked by Newcastle Disease Virus—M. K. Kukhanova and N. V. Kaverin.	301	1417
Effect of X-Rays on the Activity of Aminoacyl-tRNA Synthetases (pH 5 Enzymes) of Azotobacter—G. P. Miroshnichenko, G. N. Zaitseva, D. Birnbaum, and A. N. Belozerskii.	305	1421

(Continued)

Available From Consultants Bureau

DOKLADY AKADEMII NAUK SSSR, BIOCHEMISTRY SECTION
Vol CLXIV-CLXV, No 1-6, Sep-Dec 1965

CONTENTS

(continued)

VOLUME 165

Eng./Russ.

Enzymatic Transformations Involving Participation of β -Fructofuranosidase Taking Place in Champagne—S. P. Avakyan	310 221
Examination of the Reaction of Semiquinonoid Radicals with Native and Denatured DNA by the EPR Method—G. I. Grigoryan, I. G. Kharitonov, T. I. Tikhonenko, and A. E. Kalmanson	313 224
The Molecular Mechanism of Crozier's Principle as Applied to the Development of Poikilotherms—B. M. Mednikov, A. S. Antonov, and A. N. Belozerskii	316 227
Metabolism of C^{14} -Violaxanthin in Leaves and Its Role in Reactions of Photosynthesis—V. S. Saakov	319 230
Reaction of <i>M. lysodeikticus</i> Membrane Phospholipid with Serum Albumin Present in a Monolayer at a Water/Air Boundary—V. Z. Baranova, I. G. Zhukova, and G. A. Deborin	323 431
Changes in Adenosinetriphosphatase Activity of Myosin During Deformation in a Hydrodynamic Field—V. I. Vorob'ev and L. V. Kukhareva	327 435
Participation of Synthetic Analogs of Uridine Diphosphate Glucose in Arbutin Biosynthesis—N. D. Gabrielyan and A. V. Venkina	331 439
Keto Acids of <i>Mycobacterium azot-absorptum</i> sp. n.—N. S. Geiko, N. P. L'vov, V. I. Lyubimov, and V. L. Kretovich	334 699
Polarographic Study of the Effect of Ions and Gases on the Hydration Shell of the Yeast Alcohol Dehydrogenase Molecule—I. D. Ivanov and G. B. Bistriskaite	336 701
Albumins of Wheat Endosperm and Germ (Real Heterogeneity of "Leucosin")—V. I. Safonov and M. P. Safonova	339 704
Participation of Phenols in Enzymatic Oxidation of $NADH_2$ —E. I. Petrochenko and P. A. Kolesnikov	343 940
Phosphate Metabolism of Plasmalogens of Brain Phospholipids—L. N. Ribet' and T. N. Ivanova	346 943
Separation of Hydroxyamino Acids and Determination of Their Configuration by Means of Gas-Liquid Chromatography—M. Ya. Karpeiskii, S. V. Shlyapnikov, and V. S. Oseledchik	349 1184
Degeneracy of Transport Ribonucleic Acids in Their Specific Reactions with Aminoacyl-RNA Synthetase—L. L. Kiselev, G. N. Zaitseva, and L. Yu. Frolova	353 1188
Source of the Oxygen of the Carboxy Group of the Product of Transpeptidation Reactions Catalyzed by Pepsin—N. I. Mal'tsev, L. M. Ginodman, and V. N. Orekhovich	357 1192
Change in Conformation of α -Chymotrypsin and of Chymotrypsinogen in Presence of Caprylate—V. V. Mosolov	361 1196
Compounds of Iron with Coenzyme A in Plants—E. A. Boichenko and V. E. Zarin'	364 1423
Some Data on the "Degeneracy" of Lysine sRNA's in Connection with Degeneracy of the Genetic Code—R. N. Glebov, G. N. Zaitseva, V. P. Ermishkin, and A. N. Belozerskii	368 1427
Microsomes and Ribosomes of the Silk Gland of <i>Bombyx mori</i> L.—N. A. Gumilevskaya, E. B. Kuvaeva, L. V. Chumikina, and N. M. Sisakyan	372 1431
Electrode-Active Primary Oxidized form of Chlorophyll—V. B. Evstigneev and V. A. Gavrilova	376 1435
Presence of Kallikrein in the γ_1 -Globulin Fraction of Rabbit Blood Serum—V. P. Zyкова and T. S. Paskhina	380 1439
AUTHOR INDEX, Volumes 160-165	387
TABLES OF CONTENTS, Volumes 160-165	389

The Russian press dates (podpisano k pechatu) of the first and last issues covered in this issue of the translation were, respectively, 8/26/1965 and 12/11/1965. Publication of the material translated in this issue therefore is known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place at intervals starting reasonably soon after this date and ending shortly after the later date.

Available From Consultants Bureau

DOKLADY AKADEMII
NAUK SSSR

EDITORIAL BOARD

L. A. Artsimovich
A. N. Frumkin
B. A. Kazanskii
A. N. Kolmogorov
(Assistant Editor)
D. S. Korzhinskii
S. A. Lebedev
A. I. Oparin
(Editor-in-Chief)
A. V. Peive
L. I. Sedov
N. M. Strakhov
S. A. Vekshinskii
A. L. Yanshin

DOKLADY
PHYSICAL
CHEMISTRY

PROCEEDINGS of the
ACADEMY OF SCIENCES
of the USSR

A translation of DOKLADY AKADEMII NAUK SSSR

© 1966 CONSULTANTS BUREAU ENTERPRISES, INC.
227 West 17th Street, New York, N. Y. 10011

Volume 162, Numbers 1-6

May-June, 1965

CONTENTS

	PAGE	RUSS. ISSUE	RUSS. PAGE
Experimental Determination of the Thermal Capacity of Liquid Tin at High Temperatures—I. A. Akhmatova	359	1	127
Investigation of Organosilicon Compounds Containing Si-Cl and C-Cl Bonds by the Method of Nuclear Quadrupole Resonance—I. P. Biryukov, M. G. Voronkov, G. V. Motsarev, V. R. Rozenberg, and I. A. Safin	362	1	130
On the Structure and Mechanism of the Detonation of Heterogeneous Systems—V. F. Komov and Ya. K. Troshin	365	1	133
Mechanism of the Generation of the Polymer Phase in Monomer Crystals—I. M. Papisov, V. A. Kabanov, and V. A. Kargin	369	1	136
Long-Term Strength of Highly Elastic Polymers—M. M. Reznikovskii	373	1	140
Far-Infrared Absorption Spectra of Metal-Aniline Complexes—N. G. Yaroslavskii and L. V. Konovalov	377	1	144
Influence of Strong Electrostatic Fields in the Polymerization of Methyl Methacrylate on the Structure of the Polymer Formed—Yu. B. Amerik, B. A. Krentsel', and M. V. Shishkina	380	2	364
Self Ignition in Systems with Unbranched Chain Reactions—A. A. Borisov, S. M. Kogarko, and G. I. Skachkov	382	2	366
Investigation of a Mixture of Polymers by the Method of Radiothermoluminescence—N. Ya. Buben, V. I. Gol'danskii, L. Yu. Zlatkevich, V. G. Nikol'skii, and V. G. Raevskii	386	2	370
The Role of Hydrogen in the Dehydrogenation of Cyclohexane on Platinum—V. A. Druz', N. I. Utegulov, and D. V. Sokol'skii	388	2	373
Activation of Iron by Halogen Ions—Ya. M. Kolotyarkin and L. I. Freiman	391	2	376
The Isotopic Exchange Sorption of Tritium from Aqueous Solutions Under Dynamic Conditions—V. V. Rachinskii and L. A. Lenskii	394	2	380
Relationship Between the Thermodynamic Properties and Structure of Austenite—I. A. Tomilin	398	2	384

(Continued)

Annual Subscription: \$160

Single Issue: \$30

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever without permission of the publisher. Permission may be obtained from Consultants Bureau Enterprises, Inc., 227 West 17th Street, New York, N. Y. 10011, U.S.A.

CONTENTS (continued)

	PAGE	RUSS. ISSUE	RUSS. PAGE
Generalized Scheme for the Hydrolysis of the Borohydride Ion and Diborane —K. N. Mochalov, V. S. Khain, and G. G. Gil'manshin	402	3	613
Change in the Electron Work Function in the Absorption of Oxygen on a Silver Catalyst—L. A. Rudnitskii and N. V. Kul'kova	406	3	617
Polarization-Diffractometric Study of the Formation of the Supermolecular Structure in a Solution of Helical Polypeptide—V. G. Baranov, T. I. Volkov, and S. Ya. Frenkel'	410	4	836
New Data on Electrical Breakdown of Suspension of Aluminum in Dielectrics —L. G. Gindin, A. E. Vol'pyn, I. F. Galkin, and V. E. Gul'	413	4	839
Isotopic Exchange of Cyclobutane With Deuterium Over Atomized Metallic Films —B. S. Gudkov, A. A. Balandin, and E. P. Savin	417	4	843
The Infrared Spectra of Carbon Monoxide Adsorbed on Ruthenium, Rhodium and Palladium Over a Wide Range of Temperatures—N. N. Kavtaradze and N. P. Sokolova	420	4	847
An Electron Microscope Study of Supermolecular Structures of Polymers in Solution—V. A. Kargin, N. F. Bakeev, S. Kh. Fakirov, and A. L. Volynskii	423	4	851
A Stereochemical Approach to the Study of the Geometry of the Active Surface Catalyst—E. I. Klabukovskii, A. A. Balandin, and R. Yu. Mamedzade	426	4	853
Spontaneous Transition to Detonation in Pure Acetylene at Low Combustion Pressures—S. M. Kogarko, A. G. Lyamin, and V. A. Mikhailov	430	4	857
Effect of Ultrasound on the Coagulation Structures of Aqueous Dispersions of Kaolinite and Monothermite—N. N. Kruglitskii, V. V. Simurov, V. V. Minchenko, F. D. Ovcharenko, S. P. Nichiporenko	433	4	861
Mass Spectrometric Detection of Reactions of Highly Excited Hydrogen Atoms with Ethylene Molecules—S. E. Kupriyanov	438	4	865
On the Rheological Relationships in the Motion of an Elastic-Viscous Medium in the Field of a Constant Longitudinal Velocity Gradient—A. L. Leonov and G. V. Vinogradov	442	4	869
On the Upper Limit of Autoignition in an Unbranched Chain Reaction —B. V. Pavlov	446	4	873
Theory of Freezing of Ionization Processes in Gas Jets—Yu. S. Sayasov	449	4	875
A Study of the Structural Changes in Crystallizing Glass Through UV Absorption Spectra—L. G. Baiburt, A. A. Gorbachev, and A. V. Levitina	453	4	879
The Radiation-Chemical Oxidation of Potassium Iodide in Solutions Saturated with Nitrous Oxide—S. A. Brusentseva, D. D. Dobrev, V. N. Shubin, and P. I. Dolin	457	5	1083
A New Type of Polymer Dispersion—V. I. Eliseeva, K. M. Zurabyan, and A. L. Zaides	460	5	1086
The Zero Line in Vacantochromatography as a Basis for Continuous Nondosed Analysis—A. A. Zhukhovitskii, L. M. Lapkin, and A. A. Datskevich	464	5	1089
Artificial Nuclei for the Crystallization of Polymers—V. A. Kargin, T. I. Sogolova, and I. I. Kurbanova	467	5	1092
New Means of Experimental Investigation of the Desorption of Surface-Active Substances with Liquid Interfaces—R. A. Kul'man	470	5	1095
Orbital Hybridization of Halogen Atoms in Halohydrocarbons and Lengths of Carbon-Halogen Bonds—B. M. Mikhailov	472	5	1097
On the Mechanism of Inhibition of the Polymerization of Ethylene on Chromium Oxide Catalysts—Yu. I. Pecherskaya and V. B. Kazanski	476	5	1101
The Adsorption of Metal Ions During the Etching of Germanium, Silicon, and Quartz in Electrolytes—V. S. Sotnikov, and A. S. Belanovskii	480	5	1105

(Continued)

Available From Consultants Bureau

DOKLADY AKADEMII NAUK SSSR, PHYSICAL CHEMISTRY SECTION
Vol CLXXI, No 1-6, May-June 1965

CONTENTS (continued)

	PAGE	RUSS. ISSUE	RUSS. PAGE
The Order of Zone Distribution in Precipitation Chromatograms—V. V. Rachinskii and A. A. Lur'e.	484	6	1326
Kinetics of the Adsorption of Oxygen on Silver at Low Pressures—L. A. Rudnitskii and N. V. Kul'kova.	488	6	1330
Investigation of Photochemical Reactions in Complex Oxalates by the EPR Method—G. A. Shagisultanova, L. N. Neokladnova, and A. L. Poznyak.	491	6	1333

The Russian press dates (podpisano k pečati) of the first and last issues covered in this issue of the translation were, respectively, 4/23/1965 and 6/12/1965. Publication of the material translated in this issue therefore is known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place at intervals starting reasonably soon after this date and ending shortly after the later date.

Publisher

Available From Consultants Bureau

DOKLADY AKADEMII
NAUK SSSR

EDITORIAL BOARD

L. A. Artamonov
A. N. Frankin
B. A. Kazanskii
A. N. Kolmogorov
(Assistant Editor)
D. S. Korshinskii
S. A. Lebedev
A. I. Oparin
(Editor-in-Chief)
A. V. Peixe
L. I. Sedov
N. M. Strakhev
S. A. Vekshinski
A. L. Yanshin

DOKLADY
PHYSICAL
CHEMISTRY

PROCEEDINGS of the
ACADEMY OF SCIENCES
of the USSR

A translation of DOKLADY AKADEMII NAUK SSSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING
CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 163, Numbers 1-6

July-August, 1965

CONTENTS

	PAGE	RUSS. ISSUE	RUSS. PAGE
On the Density of the Coating of the Surface of the Dispersed Phase of Lyophobic Sols by Potential-Determining Ions—A. A. Baran, D. N. Strazhesko, Yu. M. Glazman, and B. V. Eremenko	497	1	125
Spontaneous Thermal Chain Inflammation in Systems with Energy Branching —A. A. Borisov and G. I. Skachkov	500	1	129
Hydrodynamic Thermal Explosion—S. A. Bostandzhiyan, A. G. Merzhanov, and S. I. Khudyaev	504	1	133
Induced Infrared Spectrum of Hydrogen in Solution in the Region of the 2-0 Vibrational Transition—M. O. Bulanin and N. D. Orlova	508	1	137
Dynamic Characteristics of Polymers at Sound Frequencies in the Viscous Fluid State —G. V. Vinogradov, Yu. G. Yanovskii, and L. S. Bublik	511	1	140
Statistical Thermodynamic Consideration of Solid Solutions of the Spinel Type —M. G. Zhuravleva, A. N. Men', and G. I. Chufarov	514	1	144
On the Mechanism of Mutarotation and Gel Formation in Gelatin Solutions —V. P. Merzlov and V. A. Pchelín	517	1	147
Nature of the Hydration of Exchange Cations in Clay Minerals—Ts. M. Raitburd and M. V. Slonimskaya	520	1	151
The Existence of Positive Column H_2^+ Ions in Hydrogen Glow Discharge at Elevated Pressure—S. V. Starodubtsev, V. M. Knopov, S. L. Pozharov, and I. G. Chernov . .	524	1	155
Spectral Study on the Reversible Phototransfer of a Proton in Sublimated Two-Component Layers of Organic Compounds at Low Temperatures —A. V. Shabliya, G. I. Lashkov, and A. N. Terenin	526	1	157
Letter to the Editor—R. M. Aminova	530	1	
The Kinetics of the Oxidation of Hydrogen on a Clean Platinum Surface —Yu. A. Balovnev, S. Z. Roginskii, and I. I. Tretyakov	531	2	394
The Role of Surface Hydroxyl Groups of Oxide Catalysts in Adsorption and Catalysis —L. A. Ignat'eva	535	2	398
Relationship Between Chemical Shifts and Taft's Inductive σ^+ Constants —Yu. N. Molin, T. V. Leshina, and V. P. Mamaev	538	2	402

(Continued)

Annual Subscription: \$160

Single Issue: \$30

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever without permission of the publisher. Permission may be obtained from Consultants Bureau Enterprises, Inc., 227 West 17th Street, New York, N. Y. 10011, U.S.A.

CONTENTS (continued)

	PAGE	RUSS. ISSUE	RUSS. PAGE
The Interplay of Thermodynamics and Kinetics in Certain Solid Phase Reactions —C. P. Mchedlov-Petrosyan and V. I. Babushkin	542	2	406
A Study of the Interaction of a Vanadium Pentoxide Catalyst with Naphthalene-Air Mixtures by the Method of Infrared Spectroscopy—V. M. Odrin, N. Ya. Kachurova, L. M. Roev, and G. P. Korneichuk	546	2	410
Radiolysis of Solid Solutions of Stable Radicals in Isopropyl Alcohol —L. A. Tikhomirov and N. Ya. Buben	550	2	414
Instability Criterion of Chapman-Jouguet Detonations in Gases—S. K. Aslanov	553	3	667
A Thermodynamic Analysis of the Equilibria Involved in Ferrite Dissociations —V. N. Bogoslovskii, A. N. Men', and G. I. Chufarov	557	3	671
Autocorrelation of Thermal Fluctuations in a Dilute Binary Solution Near Its Critical Point—I. R. Krichevskii, L. A. Rott, and Yu. V. Tsekanskaya	560	3	674
A Calorimetric Study of the Hydration of Sodium Metasilicate —O. L. Luk'yanova and S. V. Khartskaeva	563	3	677
Thermographic Study of the Fusion of Polyethylene—R. A. Baltenas and L. A. Igonin Rules for the Conversion of Ethylene and Acetylene During the High-Temperature Decomposition of Hydrocarbons—A. M. Brodskii, R. A. Kalinenko, K. P. Lavrovskii, L. V. Shevel'kova, and Yu. P. Yampol'skii	566	4	917
Rule for the Distribution of the Specific Surface of Pores of an Isotropic Porous Medium—M. A. Bukhbinder	570	4	920
Study on the EPR Spectrum of Rarefied Hydrogen Sulfide Flames —Yu. M. Gershenzon, A. B. Nalbandyan, and G. A. Sachyan	574	4	924
On the Nature of the Ultraweak Luminescence of Irradiated Solutions of Deoxyribonucleic Acid (DNA)—G. P. Zhizhina, K. E. Kruglyakova, and N. M. Émanuél'	577	4	927
Spectral Detection of Molecular Anion Radicals in the Absorption of Vapors of Electron Acceptor Molecules on Oxides—Yu. D. Pimenov, V. E. Kholmogorov, and A. N. Terenin	580	4	931
Effect of Monolayers of Soluble and Insoluble Surfactants on the Energy Dissipation of Stationary Surface Waves—D. Tissen and A. Sheludko	584	4	935
Setting Stress in Dispersed Systems—A. S. Avedikov, M. S. Ostrikov, and G. D. Dibrov	588	4	939
Specific Heat Cp of Heavy Water Near the Critical Point—Kh. I. Amirkhanov, G. V. Stepanov, and B. A. Mursalov	591	5	1185
On the Theory of Radical Polymerization—G. P. Gladyshev	595	5	1189
The Mechanism of the Action of Nucleating Agents in Crystallizing Polymers —V. A. Kargin, T. I. Sogolova, and N. Ya. Rapoport	597	5	1191
The Infrared Spectra of the Radical Anions from Aromatic Hydrocarbons —I. Ya. Kachkurova	600	5	1194
Electron Paramagnetic Resonance Spectra of Individual Polyradicals —A. L. Buchachenko, V. A. Gclubev, M. B. Neiman, and É. G. Rozantsev	604	5	1198
Transition of External Friction into Viscous Flow During Surface Melting of Polymers—G. V. Vinogradov, V. A. Muxafoev, Yu. Ya. Podol'skii, and Yu. M. Malinskii	608	6	1416
Unique Features of the Low-Temperature Photopolymerization of Styrene —G. P. Gladyshev and N. F. Khasanova	611	6	1419
	615	6	1423

(Continued)

Available From Consultants Bureau

CONTENTS (continued)

	PAGE	RUSS. ISSUE	RUSS. PAGE
The Hydrogen Bond and Torsional Vibrations of Molecules in the Series of n-Alcohols—S. Kh. G. Kashaev and N. K. Gaisin	618	6	1426
The Rates of Reaction of Carbon with Carbon Dioxide and Oxygen —I. L. Mar'yasin and P. A. Tesner	622	6	1430
The Mechanism of the Nonadditive Formation of Radicals in the Radiolysis of Frozen Solutions of $\text{CCl}_4 + \text{CH}_3\text{OH}$ —V. A. Roginskii, A. G. Korov, and S. Ya. Pshezhetskii	625	6	1433
Differential Thermal Analysis at Pressures up to 100 kbars—B. R. Churagulov, E. M. Feklichev, Ya. A. Kalashnikov, and L. F. Vereshchagin	629	6	1437

The Russian press dates (podpisano k pečati) of the first and last issues covered in this issue of the translation were, respectively, 6/18/1965 and 8/18/1965. Publication of the material translated in this issue therefore is known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place at intervals starting reasonably soon after this date and ending shortly after the later date.

Available From Consultants Bureau

ELEKTROKHIMIYA
EDITORIAL BOARD

L. I. Antropov
V. S. Bagotskii
B. B. Damaskin
M. Ya. Fioshin
A. N. Frankin (*Editor-in-Chief*)
A. I. Gorbanev
B. M. Grafov (*Secretary*)
B. N. Kabanov
S. V. Karpachev
V. G. Levich
P. D. Lukovtsev
B. P. Nikol'skii
Yu. V. Pleskov
M. V. Smirnov
A. T. Vagramyan
V. I. Veselovskii

SOVIET ELECTROCHEMISTRY

A translation of *ELEKTROKHIMIYA*

a publication of the Academy of Sciences of the USSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 1, Number 12

December, 1965

CONTENTS

	PAGE	RUSS. PAGE
The Cathodic and Anodic Behavior of a Cobalt Electrode at Various Temperatures in Solutions of Cobalt Sulfate—A. L. Rotinyan and M. V. Simonova	1265	1407
Thermal Diffusion in Liquids on the Surface of a Rotating Disk—V. G. Levich, V. S. Markin, and Yu. G. Chirkov	1273	1416
Electrocapillary Phenomena in Dimethylformamide. I. Electrocapillary Curves in Solutions of Inorganic Salts—V. D. Bezuglyi and L. A. Korshikov	1279	1422
Effect of Adsorption of Organic Matter on the Kinetics of Its Electrochemical Reduction when Coverage of the Electrode Surface is Small—A. B. Érshler, E. D. Belokolos, and G. A. Tedoradze	1284	1420
Theory of Slow Electrons in Liquids—R. R. Dogonadze, A. M. Kuznetsov, and A. A. Chernenko.	1288	1434
A Study of the Electrodeposition of Silver from Complex Electrolytes. II. The Relationship between the Structure of the Deposit and the Capacity of the Electrical Double Layer for Electrolytic Silver-Plating from Cyanide Electrolytes—E. A. Nechaev, R. Yu. Bek, and N. T. Kudryavtsev	1290	1443
Influence of Surface-Active Alcohols on the Kinetics of the Electroreduction of Maleic Acid—B. N. Afanas'ev	1302	1449
BRIEF COMMUNICATIONS		
Determination of the Zero Charge Potential of Solid Electrodes by the Rate of Their Dispersion in an Ultrasonic Field—F. I. Kukoze and S. A. Semenchuk	1307	1454
Some Characteristic Features of the Electrodeposition of Silver on Platinum—E. A. Nechaev, R. Yu. Bek, and N. T. Kudryavtsev	1311	1458
Electrochemical Properties of a Gallium Electrode. III. The Vanadium-Lead-Gallium System—I. G. Vasil'eva and A. I. Zhebreva	1314	1461
Electrochemical Reduction of Difficultly Soluble Mercury Compounds—O. A. Songina and M. R. Dausheva	1318	1464
Study of the Hydrogen Pickup in Electrolytic Deposits of Chromium Obtained from a Self-Regulating Electrolyte Using Current of Alternating Polarity—I. S. Voronityn and R. P. Eigird	1322	1468
Annual Subscription: \$125	Single Issue: \$30	Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever without permission of the publisher. Permission may be obtained from Consultants Bureau, A Division of Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011, U.S.A.

ELEKTROKHIMIYA
Vol. 1, No. 12, 1965

	PAGE	RUSS. PAGE
A Study of the Kinetics of Formation of Indium-Bismuth Alloy in Perchloric Acid Solutions -V. M. Kochegarov and V. D. Samuilenkova.	1324	1470
Apparatus for Investigating Electrochemical Processes by Studying Voltamperic Characteristics at Continuously Varying Potentials-N. V. Korovin and B. P. Nesterov. .	1325	1474
The Electrolytic Oxidation of Ethylene at Electrodes with Platinum Catalysts -A. G. Pshenichnikov, Yu. I. Kryukov, and R. Kh. Surshtein.	1330	1476
Transport Numbers and Mobilities of Ions in Molten Mixtures of Sodium and Cesium Nitrates-V. P. Shvedov and I. A. Ivanov.	1333	1478
Concentration Polarization During Electroreduction of Oxygen in Molten Carbonates -A. M. Trunov.	1336	1482
Influence of Adsorption on the Surface Properties of Germanium in an Electrolyte Solution -V. V. Eletskii and Yp. V. Ploskov.	1339	1485
Electrolysis in the Tungsten-Molybdenum System-D. F. Kalinovich, I. I. Kovenskii, and M. D. Smolin.	1342	1488
Influence of Cyclohexylhydroxylamine on the Polarographic Reduction of Nitrocyclohexane -I. A. Avrutskaya and M. Ya. Fiozhin.	1345	1491
On the Adsorption of Hydrogen Sulfide on Mercury-S. A. Kiselev and S. I. Zhidjanov.	1348	1494
Polarographic Investigation of the Reduction of Phenazine and Its Derivatives in Dimethylformamide-L. L. Gordienko.	1351	1497
 INDEX		
Author Index, Volume 1, 1965.	1357	
Tables of Contents, Volume 1, 1965.	1361	

The Russian press date (podpisano k pechatu) of this issue was 11/26/1965.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Consultants Bureau

TELECOMMUNICATIONS and RADIO ENGINEERING

1966

NUMBER 3

CONTENTS

Part 1 ELECTROSVIAZ Vol XX

	Page
An Event of Great Historical Importance	1
A. F. Beletskiy and A. T. Lebedev: Synthesis of Matched Passive Filters	3
A. K. Losev: Multisection Tuning-Fork Filters	9
V. M. Shtein: Some Problems in PCM System Design	14
V. D. Kuznetsov and V. K. Paramonov: A Dipole with Reflector, Fed by a Directional Coupler	20
M. I. Pelekhatyi: Some New Ways of Increasing Discrete Data Transmission Rates ..	25
V. V. Shakhgul'dyan and Yu. F. Ignatov: The Effect of Noise on the Accuracy of a Phase-Locked AFC System	32
E. G. Servinskiy: Effect of Lack of Synchronization on the Noise Immunity of Postdetector Integration in Binary Communication Systems	39
I. V. Pavlov: Effectiveness of Shorting Transformers for the Protection of Short Communication Lines	47
ELECTRONICS ABROAD	
V. B. Pestryakov: Satellite Communications Systems	52
BRIEF COMMUNICATIONS	
A. F. Tsvetkov: Temperature Compensation of a Crystal Oscillator by Means of a Tuned Circuit Capacitance	59
F. F. Barsov: Parameters of High-Power Transistors in the Saturation State	62
LETTERS TO THE EDITOR	
K. B. Mazel: On the Paper "Fundamental Relations for Rectifier Circuits with a Square-Wave Input Voltage"	64
New Books	65

Part 2 RADIOTEKHNIKA Vol 21

B. R. Levin and Ya. A. Fomin: Approximate Determination of the Distribution of First-Crossing Times	67
I. T. Turbovich: The Indeterminacy Relationship in Radio Engineering	71
S. P. Baronin: Limit Accuracy in Spectrum Analysis	72
L. K. Soloshek: Characteristics of Oscillatory Circuits with a Nonlinear Capacitor ..	77
N. A. Semenov: Transmitted Power in a Dielectric Waveguide	85
A. M. Model': Propagation of Electromagnetic Waves in Two Coupled Waveguides of Different Cross Section	90
V. A. Ivanov: Twin-T Bridge in a Transistor Amplifier Having Small Input Resistance	95
I. S. Andronov: Noise Immunity of Coherent-Summing Diversity Reception	100
S. I. Yevtyanov and G. Ye. Red'kin: Investigation of Pulse Shape in an Artificial-Line Modulator	106
K. M. Kudolin: Large-Current Thermal Operating Conditions of Transistors	111
L. S. Gutkin: Comparison of Actual and Optimum Direction-Finding Accuracy	114

(Continued)

Available From The Institute of Electrical and Electronics Engineers

RADIOTECNIKA
Vol XXI, No 3, 1966

	Page
L. N. Piskarev: Effectiveness of Complex Systems for Protracted Operation.....	119
BRIEF COMMUNICATIONS	
V. D. Averbukh: Energy Relationships in a Low-Frequency Parametric Amplifier Using the Capacitance of A p-n Junction.....	123
V. M. Sidorov and A. A. Kubitskiy: Harmonic Frequency Detector.....	125
V. I. Sementsov and K. L. Afanas'yev: Effect of Ferromagnetic Layers on a Thin-Film Microinductor.....	127
Yu. P. Kuznetsov: Importance of the Statistical Properties of the Input Useful Signals in Determining the Algorithm of an Optimum Binary-Detection System.....	129
New Books.....	131

Available From The Institute of Electrical and Electronics Engineers

CONTENTS

M. Karasek: The recent opinions and views on the morphology and function of the pineal gland in the mammals	*
M. Karasek: Electron microscopic cytologic studies of the pineal in albino rats treated with Serpasil and Niamid	187
W. Fortak: Morphological and histochemical investigations of the adrenal gland in guinea pigs during sensitization with heterologous protein	*
J. Kolaszyński: The influence of reserpine and Niamid on the cytology and histochemistry of the anterior pituitary of white rats	*
W. Czech: The effect of thermal denaturation on thyroxin binding proteins	196
M. Kutka, S. Németh: Changes in iodine kinetics caused by thyroid disorders	*
L. Łukomski: Pregnancy after radical surgical treatment of thyroid cancer	203
J. Sokolnicki: Post-thyroidectomy psychosis. A clinical study	207
J. Fibak, J. Sokolnicki: Control studies with I^{131} after thyroidectomy for thyroid cancer	212
H. Mastysińska, E. Pioch, R. Kabza: The influence of partial strumectomy on the level of iron in the blood serum	*
M. Wójtowicz, R. Kwiątek, J. Redelbach: Thyroid recurrent on material of II Surgical Clinic of the Medical Academy in Poznań	*
J. Paluszak: The effect of ingestion of maximally saturated fat on morphologic structure of rat testis, epididymis and seminal vesicles	218
B. Narbutt, J. Grabski, F. Zych: Morphologic-histometric evaluation of certain internal organs in rats with experimentally disturbed thyroid function	224
A. Limanowski: Effects of gonadectomy, testosterone and stilbestrol on the secretory activity of rat seminal vesicles	232
R. Pieńcociński: Physical exercise and the ovaries	*
J. Armatys: Influence of surgical biopsy on the function of gonads in male white rats	*
T. E. Komer, J. Armatys: A case of adrenogenital syndrome accompanied by a high gonadotropin level	*
L. Skrzeczkowski: Estrogens in the urine of pregnant ewes	243
J. Kolanowski, Z. Halicka: The level of pyruvic acid in the blood after loading with glucose as a test of differentiation between simple and enzymatic obesity	*
E. Samojlik: Studies on the effect of monoaminooxidase inhibitors on thyrotropic activity and morphologic features of the thyroid	253
J. Teter, H. Tomaszewska, K. Boczkowski, Z. Janczewski, G. Węcewicz: „Mixed” or „asymetric” gonadal dysgenesis	*
M. Wójtowicz, J. Steffen, J. Kosowicz: Gonadal dysgenesis with hermaphroditism in cases with XX and XO sex chromosome constitution	*
K. Boczkowski, J. Teter: Two cases of pure gonadal dysgenesis with hypertrophy of the clitoris and 46/XY karyotype	*
R. Konorska: Anterior hypopituitarism due to a metastasis of bronchogenic carcinoma in a patient with concurrent malignant melanoma	262
H. Tomaszewska, A. Lasota: Developmental dynamics of children with markedly impaired growth rate	267

* Papers denoted by asterisks may be found in the Endokrynologia Polska, the Polish edition of periodical.

Available From CFSTI TT 65-50307/5-6

GIGIENA I SANITARIYA
Vol XXIX, No 12, 1964

TABLE OF CONTENTS

	Page
E.G. Karmanova. Hygiene Education of the Population — A Problem of Current Importance	1
A.A. Dobrinskii. Establishing Hygienic Norms for Some Intermediates in Caprolactam Production in the Air	7
Z.Ya. Lindberg. Fluorosis and Dental Caries in Children Living Near Waste from a Superphosphate Plant	13
E.V. Arzamastsev. Experimental Substantiation of the Permissible Concentrations of Tri- and Pentavalent Antimony in Water Bodies	16
N.A. Rakhmanina. Data on the Hygienic Evaluation of the Synthetic Flocculant Polyacrylamide, of the PAA Brand	22
L.A. Kunina. Decontamination of Drinking Water by Electrolysis	27
E.I. Smurova, T.Z. Rogovaya, I.L. Yakub, and S.A. Troitskii. Labor Hygiene and Health of Workers Operating Vacuum-Tube Oscillators of 60-90 KCS	31
B.A. Katsnel'son, M.F. Lemyasev, L.G. Babushkina, and L.N. El' nichnykh. A Comparative Experimental Investigation of the Coniosis Hazards of Some Refractory Materials	35
T.P. Vol'khina and A.M. Kleiner. Setting up Standards of Physical Work for Adolescents	45
A.I. Shafir. The 95th Birthday of Zakhar Grigorievich Frenkel'.	50
E.Ya. Belitskaya, A.P. Dobroslavin and A.P. Borodin (The 75th Anniversary of the Death of A.P. Dobroslavin)	55

INVESTIGATION METHODS

P.A. Korotkov, N.N. Serzhantova, Yu.P. Tsyashchenko, and N.Ya. Yanyшева. Determination of Small Concentrations of 1,2,5,6-Dibenzanthracene	59
--	----

Available From CFSTI TT-65 -50023/12

TRANSLATIONS FROM HUNG-CH'I (RED FLAG)

No. 12, 1966

- Communist China -

No. 36

This report contains the translation of all of the articles in the Chinese-language periodical Hung-ch'i (Red Flag), No. 12, 1966. Complete bibliographic information accompanies each article.

CONTENTS

	<u>Page</u>
Comrade Lin Piao's Speech (31 August 1966).....	1
Comrade Lin Piao's Speech (15 September 1966).....	4
Comrade Chou En-lai's Speech (31 August 1966).....	7
Comrade Chou En-lai's Speech (15 September 1966).....	10
Hold Fast to the Main Orientation in the Struggle.....	13
Take Firm Hold of the Revolution and Stimulate Production.....	17
In Praise of the Red Guards.....	20
Selected Articles of the Red Guards.....	24
Chou Yang is Not Allowed to Attack and Disparage Lu Hsiün.....	35

Available From JPRS 38,213

RADIO INDUSTRY PRODUCTS, ANALOG COMPUTATION
EQUIPMENT

VOL. IV

- USSR -

Following is a cover to cover translation of the
Russian-language catalog Iskustvennoye Radioimulirovaniye,
Analizovaya Vychislitel'naya Schematika (Radio Industry
Products, Analog Computation Equipment) edited by
G. M. Petrov, Moscow, Vol. IV, 1966, pages 1-63.]

<u>TABLE OF CONTENTS</u>	<u>Source</u>	<u>Report</u>
I. Analog Computers for Ordinary Differential Equations.....	7	1
Electronic Linear Simulator KPI-9-3.....	7	1
Electronic Linear Simulator EMU-1.....	9	4
Electronic Nonlinear Simulators MN-7, MN-7M.	11	7
Analog Computer MN-1CM.....	13	10
Analog Computer MN-11.....	15	13
Electronic Nonlinear Analog Computers MN-14-1, MN-14-2.....	17	16
The Electronic Nonlinear Analog Computer MN-17M.....	20	20
Electronic Simulator EMU-10.....	22	23
Analog Functional Unit AFB-1.....	24	26
The Analog Computer Integrator-1.....	26	29
II. Analog Computers for Differential Equations in Partial Derivatives.....	31	32

(Continued)

Available From JPRS 38038

IZDEL'IYA RADIOPROMYISLENOSTI ANALOGOVAYA VICHISLET'NOYA TEKHNIKA
Vol VI, 1966

<u>TABLE OF CONTENTS (cont)</u>	<u>Source</u>	<u>Page</u>
Infra-Low Frequency Periodic Oscillation Generator NGPI-3M.....	69	85
A Twin Peak Volt Meter EPV-3M.....	70	88
Compensation Rectifier KV-5.....	71	90
VI. Electronic Stabilized Power Sources for Analog Computers.....	75	93
Electronic Stabilized Power Unit ESV-3.....	75	93
Electronic Stabilized Rectifier VES-1.....	77	95
Standardized Electronic Power Unit UESV-1..	79	99
Standardized Semiconductor Power Unit UESV-2.....	80	101
VII. Analog-Digital Devices for Conversion and Recording of Information.....	83	104
Logical Electronic Recording Device ELRU-2M.....	83	104
Electronic Logical Recording Device ELRU-3.....	85	107
Data Conversion Unit U ² -1.....	87	110

(Continued)

Available From JPRS 38038

IZDEL'IYA RADIOPRMYSHLENNOSTI VYCHISLET'NOYA TEKHNIKA
Vol VI, 1966

<u>TABLE OF CONTENTS(cont)</u>	<u>Source</u>	<u>Report</u>
The Universal Grid Simulator USM-1.....	31	32
Small Grid Simulator MSM-1.....	33	35
Electrical Bar-System Model EMSS-7M.....	35	38
Integrator EGDA-9/60.....	37	41
III. Auxiliary Apparatus and Standardized Units for Analog Computers.....	41	43
Nonlinear Unit Assembly NBN-1.....	41	43
Sampled-Data Control System SBSS-2.....	42	46
Sampled-Data Control System SBSS-3.....	44	49
Sampled-Data Control Unit BSS-3	46	52
Controlled Delay Unit BRZ.....	47	54
A Constant Delay Block BPZ-2.....	48	56
A Nonlinear Function of one Variable Assembly BN1P.....	49	58
Nonlinear Function of two Variables Assembly BN2P.....	50	61
Multiplication Block UBR-1.....	52	64
A Noise Generator GSh-1.....	53	66
A Standard Tube DC Amplifier UU-3.....	54	69
A DC Standard Semiconductor Amplifier UU-4..	55	71
IV. Cathode-Ray Indicators for Analog Computers.	59	74
Cathode-Ray Indicator I-4M.....	59	74
Cathode-Ray Indicator I-5M.....	61	77
Cathode-Ray Indicator I-10.....	63	80
V. Infra-Low Frequency Instrument Assembly.....	67	83
Infra-Low Frequency Phasometer-Frequency Meter NF-3M.....	67	83

Available From JPRS 38038

EDITORIAL BOARD OF
IZMERITEL'NAYA TEKHNIKA

A. S. Akhmatov	S. A. Khristianovich
E. V. Armenskii	L. A. Konorov
V. O. Arutyunov	M. I. Levin
I. I. Chechik	I. I. Novikov
(Asst. Editor)	(Editor-in-Chief)
V. I. Ermakov	B. M. Stepanov
(Asst. Editor)	Yu. M. Shaulov
A. N. Gordov	G. K. Yagola
B. M. Isaev	L. M. Zaks
A. I. Ivlev	G. P. Zedgenidze
V. V. Kandyba	M. K. Zhokhovskii
K. B. Karandeev	

Measurement Techniques

*A translation of **Izmeritel'naya Tekhnika**, a publication of the
Academy of Sciences of the USSR*

Number 2

February, 1966

CONTENTS

	PAGE	RUSS. PAGE
Optical Quantum Generator, A New Source of Light. Its Properties and Application in Metrology. <u>L. M. Shlyakhter</u>	147	3
Automatic Testing of the Magnetic Properties of Magnetically Soft Materials and Products. <u>M. A. Babikov and Yu. V. Seleznev</u>	154	8
Measurement of Current in a Pulsed Beam of Charged Particles. <u>E. V. Armenskii</u> and <u>V. M. Rybin</u>	161	13
Calibration Problems in Spectral Analysis. <u>N. F. Abashidze</u>	166	17
Dynamic Characteristics of Measuring Instruments. <u>P. P. Kremlevskii and N. F. Gonek</u>	169	19
Effect of Vibration on the Precision of Readings of Pneumatic Instruments for Testing Dimensions. <u>O. B. Balakshin</u>	174	22
Calculation of Errors in Strain-Gauge Measurements. <u>V. M. Aleksandrov, R. S. Galadzhiev</u> and <u>A. S. Solov'ev</u>	178	25
Accounting for the Transverse Sensitivity of Strain-Gauge Transducers. <u>V. P. Chirimanov</u>	182	27
Application of a Diamond Spherical Indenter with a Large Curvature for Evaluating the Hardness of Very Hard Steel. <u>E. N. Kozyreva and M. S. Drozd</u>	187	30
Heat Exchange and Resistance to Movement in a Turbulent Flow of an Electrically Conducting Liquid in a Pipe with a Transverse Magnetic Field. <u>I. I. Novikov</u>	191	33
Dynamic Calibration of Thermistors. <u>M. M. Graevskii</u>	194	34
Design of a Low-Pass Filter for an Automatic Measuring Instrument (Spectropycrometer). <u>V. E. Finkel'shtein and A. N. Kisel'</u>	197	36
Digital Converter of Parameters M, L, C, and R with a Pulsed Supply. <u>Yu. I. Semko</u>	200	38
Weak Photocurrents Amplifier with Photovaricaps. <u>L. S. Berman</u>	205	41
Electric Charges Meter Based on a Measuring Voltage Converter. <u>N. G. Semenko</u>	208	43
Errors in Four-Arm ac Bridges. <u>E. A. Budnikaya and V. P. Karpenko</u>	212	47
Optimum Relationships in the Dimensions of Sensing Inductive Transducers. <u>I. A. Maslarov</u>	217	51
Design of an Input Transformer Device for a dc Amplifier with a Transistor Modulator. <u>Yu Tieh Fei and V. P. Fedotov</u>	220	53
Bolometric Meter of Pulsed UHF Power. <u>N. A. Pelykh</u>	226	57
Calibration of a Phase Shifter by the Method of Splitting an Interval with a Known Phase Difference. <u>V. A. Potapov</u>	230	60
Measurement in the Ultrashort Wave Range of the Parameters of Diodes with a Negative Bias. <u>V. V. Skugarev</u>	235	63
Evaluation of the Error in Measuring the Gain of Wide-Band Quasilinear Amplifiers. <u>V. A. Dvinskikh</u>	238	64
Characteristic Quantities of Braking Radiation Fields in Electron Accelerators. <u>G. A. Dorofeev and I. P. Mysev</u>	241	67

(Continued)

Available From The Instrument Society of America

CONTENTS (continued)

	RUSS. PAGE	PAGE
INFORMATION		
Pneumatic Pressure Transducer at the "Chemistry in Industry, Building and Agriculture" Exhibition, S. M. Kessel'man and F. S. Pinski	244	69
Third All-Union Scientific-Research Conference on Microwires and Resistance Instruments	248	71
The One Hundredth Anniversary of M. A. Shatelen's Birth	251	73
ABSTRACTS AND CRITICAL REVIEWS		
Developments in the Accurate Measurement of High Pressures, Abstracted by E. F. Dolinskii	253	74
A Calculable Standard of Capacitance, Abstracted by I. N. Krotkov	256	76
BRIEF COMMUNICATIONS AND LETTERS TO THE EDITOR		
Measurement of a Meniscus Profile, A. S. Nemirovskii and B. P. Gorshkov	259	78
Integral Evaluation of Surface Roughness, V. V. Kamnev	261	79
Automation of Strain-Gauge Crane Scales, V. P. Topolev	264	81
Instrument for Receiving Automatically Precise-Time Radio Signals, A. G. Fleer and Yu. A. Fedotov	267	82
Double-Channel Precision Temperature Regulator for Objects with a Large Thermal Inertia, A. T. Dyuzhin and E. P. Pavlov	270	84
Calorimetric Measurements at Low Temperatures, N. V. Pak	272	86
Addition of Luminous Fluxes by Means of a Diffusing Surface, L. A. Boyarskii	274	87
Compensation of the Temperature Error in Measuring Static Deformations, V. D. Ronzin, Yu. A. Pykhtin and D. I. Fedotov	276	88
Grapho-Analytical Method for Designing a Differential Circuit with Two Controlled Resistances, B. K. Grigorovskii	278	89
Multielement Phase Meter D586, V. I. Bakaeva and V. A. Khomyak	280	90
Device for Remote Registration of Pointer-Instrument Readings, G. A. Buryakov	282	91
Instrument for Testing Pulse Parameters, B. P. Belkin	284	92
Measurement of Frequency on the Basis of a Time Shift in Signals, V. P. Chirkov	286	94
Matched Coaxial Loads, V. A. Milyakh and V. F. Khmel'	288	95
Ocillographic Recording of a Basic Magnetization Curve, A. V. Fedotov	289	96

The Russian press date (podpisano k pechati) of this issue was 3/9/1966.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From the Instrument Society of America

Izvestiya VUZov: Instrument Building

- USSR -

No 3, 1966

Following is a cover-to-cover translation of the Russian-language periodical Izvestiya Vysshikh Uchebnykh Zavodeni: Priborostroyeniye (News of Higher Educational Institutions: Instrument Building), Vol. 9, No. 3, 1966, Leningrad, pages 1-146.

CONTENTS

	<u>Page</u>
Application of the Electric Integrator for Measuring the Carrier Lifetime in Transistors	1
Design of Coaxial Resonators with Moving Dielectric Layer	8
On Application of Transformation Spectrum for Analysis of Signal Frequencies	12
Inductive Frequency Micrometer	16
High-Speed Pulse-Time AC Transducer	20
On Errors of Multielement Automatic Devices with Linear Dial	25
Precision Differential Indicator of Effective Voltage Values	31
Optimal Control Case	36
Device for Monitoring the Blocks of Regulators	39
Probable Estimation of Duobinary Code with Detection and Correction of Errors	44
Hysteresis Loop Effect Upon Magnetic Amplifier Characteristics	49
Characteristics of Methods of Synchronizing Information Transfer by Multifrequency Codes	55
Pulse-Height Selector with Semiconductor Triodes	61

(Continued)

Available From JPRS 38133

IZVESTIYA VUZ PRIBOROSTROYENIYE
No 3, 1966

	<u>Page</u>
Means of Automatic Determination of Characteristics of Polydispersion Systems	66
On the Structure (Unit) Synthesis of Computers for Special Purposes	70
Method of Removing False Codes for Decimal Analog--to Digital Converter of Reading	74
On the Possibility of Using a Vertical Gyroscope in Its Starting Condition	77
On the Problem of Increasing the Accuracy of Gyroscopes	84
Choice of Gyromotor Form Providing the Minimum Aerodynamic Resistance	88
Method of Approximate Calculation of Aerodynamic Gyromotor Losses	92
Floating Vibratory Gyroscope	99
Distribution of Error of Discrete Measurement of Velocities	103
On the Design of Instrumented Regulators of Constant Speed with Fluid Friction	106
Automating the Control of Machines with the Aid of An Optical Ray	112
Electrodynamic Camera Shutter	118
Correction of Hot Wire Anemometer Frequency Distortions	121
Devices for Investigating Heat Conductivity and Temperature Conductivity within the Continual Heating Range	128
Effect of Nonuniform Rigidity of Component Material on Machining Precision in Instrumentation	132
Device for Plotting Perspective of Points According to Their Coordinates in Space	138
Reduction of Friction in Devices' Bearings	142
MASTHEAD	147

Available From JPRS 38133

CYBERNETICS

No. 3, 1966

- USSR -

Following is a cover-to-cover translation of the Russian-language periodical Kibernetika (English version above), Kiev, No. 3, May-June 1966, pages 1-109. Authors' names are given with each article.

<u>TABLE OF CONTENTS</u>	<u>Source</u>	<u>Report</u>
Optimal Control Theory and Numerical Methods Using Variations in the Space of States, N. N. Moiseyev.....	1	1
Numerical Methods of Integration by the Stieltjes Procedure on Digital Integrators (TsIK), A. V. Kalyayev.....	30	55
Economical Encoding of the States of a Finite Automaton, L. I. Larin, L. M. Osinskiy.....	46	73
Syntactical Analysis of Context-Free Languages, V.N. Red'ko.....	52	89
Asynchronous Computation Processes on Memory, V. Ye. Kotov, A. S. Narin'yani.....	64	111
Evaluating the Improvement in Reliability When Using Correction Codes, Yu. P. Rudnev.....	72	125
Principles for Construction of a Debugging System, V. P. Semik, I. V. Sergiyenko.....	78	136
A Translator for the URAL-2 Computer, V. I. Fesenko.....	83	145
Evaluation of the Possibility of Realization of a Universal Algorithm in Elementary Algebra on a Computer, N. X. Dehazanova.....	87	151
Shortest Allowable Paths. I, Yu. M. Yermol'yev.....	88	153
	(Continued)	

Available From JPRS 38096

KIBERNETIKA
No 3, 1966

<u>TABLE OF CONTENTS (cont)</u>	<u>Source</u>	<u>Page</u>
Scientific Information.....	96	163
To the Attention of the Readers:.....	102	161

Available From JPRS 38096

TRANSLATIONS FROM KOMMUNIST

No. 13, September 1966

- USSR -

This serial publication contains translations of articles from the Russian-language periodical Kommunist (Communist), No. 13, Moscow, September 1966. Complete bibliographic information accompanies each article.

CONTENTS

	<u>Page</u>
Ideological Work is the Task of the Entire Party.....	1
New Conditions and Requirements Facing Party Propaganda.....	11
The Propagandist.....	27
Propagandists Discuss Their Work with <u>Kommunist</u> Editors	37
The October Revolution and the Intelligentsia	45
On the Dialectics of the Contemporary Natural Sciences.....	60
The Economic Effectiveness of Capital Investments.....	79
Science and Production.....	94

(Continued)

Available From JPRS 38,364

KOMMUNIST
No 13, Sept 1966

The People of Viet Nam Will Win.....	121
Neocolonialist Ideology -- A Justification of Attempts at New Enslavement.....	129
Tenth Muse or Tenth Victim?.....	139
The Scientific Foundations of Party Propaganda.....	155
Interviews with Propagandists, Lecturers and Students.....	168

Available From JPRS 38,364

TABLE OF CONTENTS

V.A. Yaroshevskiy and G.V. Parysheva. Optimum Distribution of Correcting Impulses in Single-Parameter Correction. II.	1
V.V. Ivashkin. Energetically Optimal Transfers from a Hyperbolic Orbit in the Absence of Restrictions on Time for Transfer	21
V.I. Gurman. Optimum Transfers Between Coplanar Elliptical Orbits in a Central Field	35
V.A. Reznikov. Two Matrix Forms of Estimates of Spacecraft Motion Parameters	59
A.D. Danilov. Experimental Investigation of the Neutral Composition of the Atmosphere in the 100-200 km. Altitude Region	71
B.P. Konstantinov, M.M. Brudov, V.I. Pyayevskiy and I.A. Sokolov. The Possible Antimatter Nature of Micrometeors	106
A.G. Koval', V.T. Konne and Ya.M. Fogel'. Emission Spectra of Rarefield Molecular Gases Excited by Fast Electrons	120
V.N. Konashenok. Photochemical Equilibrium and Ionic Composition of the Upper Layers of the Atmosphere	144
T.N. Mulyarchik. Investigation of the Softest Corpuscles with the Kosmos 3 and Kosmos 5 Satellites.	152
Yu.V. Kukushkin and A.S. Strelkov. Registration of Fragment λ -Radiation in the High-Altitude Explosion of 9 July 1962 over Johnston Island	168
V.G. Kurt. On the Total Quantity of Neutral Hydrogen in the Earth's Upper Atmosphere	180
V.M. Zaletayev. Temperature Field of Elements of Thin-Walled Satellite Surfaces in Radiant Heat Transfer.	189
M.B. Kagan, A.P. Landsman and Ya.I. Chernov. Analysis of Spectral and Temperature Characteristics of Photoelectric Transducers and Selection of Efficient Ranges for Their Application	205
P.I. Belyayev, A.A. Leonov, V.A. Popov, L.S. Khachatun'yan and V.K. Filosofov. Certain Dynamic Characteristics of the Operator in Tracking under the Conditions of Spaceflight on the Voskhod 2 Craft	220
L.A. Tiunov and V.V. Kustov. Endogenic Formation of Carbon Monoxide and its Importance in a Closed Ecological System	232
P.V. Buyanov, V.V. Kovalev, V.G. Terent'yev, Ye.A. Fedorov and G.F. Khlebnikov. Results of Preflight and Postflight Medical Examination of Crew Members of the Voskhod Spacecraft	245
N.L. Delone, B.B. Yegorov and V.V. Antipov. Influence of Factors in Spaceflight Aboard the "Voskhod" Manned Spacecraft on <i>Tradescantia Paludosa</i> Microspores	254

(Continued)

KOSMICHESKIYE ISSLEDOVANIYA
Vol. IV, No 1, 1966

Short Communications

V.K. Vertushkin. Flow of a Supersonic Airstream Past a Sphere, with Consideration of Equilibrium Radiation	263
A.D. Shevnin. Geomagnetic Field Strength Components in the Solar-Ecliptic Coordinate System	268
A.D. Bolyunova. Radioactivity of the Kosmos 3 Satellite After the Explosion of 9 July 1962	273
L.V. Kurnosova, S.L. Mandel'shtam, L.A. Razorenov, I.P. Tindo and M.I. Fradkin. Cases of Transitory Increase in Heavy-Nucleus Flux Accompanied by Outbursts of X-Ray Radiation	279
V.S. Morozov, V.S. Shaskov and B.I. Davydov. Biological-Effect Simulation of Monoenergetic Proton-Flux Depth Dose	284

Available From **FTD-TT-66-76/1-2**

Best Available Copy

MEDYCINA DOSWIADCZALNA I MIKROBIOLOGIA
Vol XVII, No 4, 1965

CONTENTS

B. Kędzia: Influence of storage conditions on biochemical properties of staphylococcal strains isolated from patients and carriers	297
J. Cybulska, J. Jeliaszewicz: Bacteriostatic activities of rabbit sera against staphylococci during experimental infection	303
J. Gutkowska: Bactericidal activities of rabbit sera	309
S. Kałużewski: Somatic antigens of <i>Klebsiella</i> strains K 63 — K 72	315
D. Rymkiewicz, H. Albrycht: Investigation of soluble antigens of type E <i>Clostridium botulinum</i> by gel immunodiffusion	324
H. Albrycht, D. Rymkiewicz, H. Meisel: Studies on <i>Clostridium botulinum</i> type E. VI. Binding power of type E botulinum toxin	332
A. Światalska, P. Trembowlar, H. Meisel: Immunogenic properties of type E botulinum toxoid	338
L. Dobrzyński: A comparison of the sensitivity of chick embryo fibroblast culture and white mice to Kłodobok virus. I. Application of the interference method	345
Z. Dymowska: Serological investigations in children suspected of pneumocystosis	360
W. Brzozko, Z. Gancarz, A. Nowostawski: Immunofluorescence in the serological diagnosis of <i>Trichinella spiralis</i> infection	355
W. Gałasiński: Studies on nucleic acids of baker's yeasts subjected to respiratory adaptation. I. Changes in total content of nucleic acids	366
W. Gałasiński: Studies on nucleic acids of baker's yeasts subjected to respiratory adaptation. II. Changes in nitrogen and phosphorus contents	373
W. Gałasiński: Studies on nucleic acids of baker's yeasts subjected to respiratory adaptation. III. Nucleotide composition of ribonucleic acid	378

Available From CWETI TT 65-50304/4

MEDYCINA DOSWIADCZALNA I MIKROBIOLOGIA
Vol XVIII, No 1, 1966

CONTENTS

S. Kryński, E. Becla, J. Galicki, A. Samet: <i>Staphylococcus aureus</i> strains isolated from patients at hospital centers in Gdańsk	1
K. A. Piekacz, J. Jeliaszewicz, C. Zak: Mixed staphylococcal infection in rabbits	7
S. Zaliczka, M. Blaszyńska: Variation of physiological properties of streptococci maintained on blood agar medium	15
Z. Hencner: The properties of <i>Klebsiella rhinoscleromatis</i> strains isolated from endemic areas in the Lublin district	22
H. Meisel, A. Switalska: The problem of taxonomy of <i>Clostridium sordelii</i> and <i>Clostridium bifermentans</i>	31
C. Fryga, E. Wojciechowski, E. Mikolajczyk: The effect of certain antibiotics and paraaminobenzoic acid (PABA) on toxic properties of typhus fever rickettsiae	39
N. Andrejew, B. Petrunow, T. Hrisantowa: An attempt to apply <i>S. typhi</i> allergen for determining postvaccination immunity	47
A. Krzyszkowska, J. Rudnik, J. Zembrak: Postvaccination tuberculin reactions in guinea pigs vaccinated with BCG Moreau vaccine resistant to hydrazide and streptomycin	56
L. Jabłoński: Studies on ECHO ₉ virus. I. Serological variation of ECHO ₉ (Hill) virus under the influence of temperature	61
Z. Porwit-Bóbr, Z. Przybytkiewicz, W. Ptak: Studies on optimal conditions of interferon isolation from polyoma virus-infected mouse and hamster cell cultures	67
K. Obojska, D. Jastalska, I. Dzierżyńska: Nystatin-induced inhibition of the assimilation of hexoses by <i>Candida albicans</i> strain 102	75
W. Ławkowicz, I. Krzemińska-Ławkowicz, J. Panasciewicz, J. Snigurowicz, M. Kraj, J. Roszkowska, J. Zieliński, Z. Majewska: Results of analysis of human serum proteins compared with the results obtained in experimental animals	82
H. Zaleśka: Some physical properties of agar and its applicability as bacteriological medium	88

Available From CFSTI TT 66-57005/1

SCIENTIFIC AND TECHNICAL INFORMATION

(No 4, 1966)

Following is a complete translation of the Russian-language periodical Nauchno-Tekhnicheskaya Informatsiya (English version above), No 4, 1966, Moscow, pp 1-60. Authors' names and original page numbers accompany each article.

CONTENTS

	<u>Page</u>
Toward New Victories of Communism	1
Determination of Economic Effectiveness of Information in Use in Design-Planning Developments	6
Raising the Operativeness in Work - The Most Important Problem of the Information Organs	17
Reference-Information Repositories and Information Services	22
New Types of Information Servicing in the American Chemical Abstracting Service	38
Card Catalog on Meat Industry on K5 Punched Cards at the Kiev Meat Concern	41
Test Model of a Rotational Electrophotographic Machine (REM)	44
Pre-Evaluation of Economic Effectiveness of Measures Taken to Mechanize the Information Centers	49

(Continued)

Available From JPRS 38120

NAUCHNO-TEKHNICHESKAYA INFORMATSIYA
NO 4, 1966

<u>Contents (Continued)</u>	<u>Page</u>
Complex Questions on the Classification of Literature	54
Automatic Obtainment of Answers Formulated in English. Part I	56
Classification-Descriptor Type Language for Information Retrieval on Calculating-Punching Machines	68
Application of Indicators of the Role [And of the Hierarchical Relationships in an Information Retrieval System Using Punched Cards	86
First Experiment in Machine Translation in Bulgaria ..	89
First Experimental Machine Translation in Bulgaria ...	92
Types of Substantive Formations From Russian Adjec- tives and Their Synthesis in Machine Translation into Russian	118
Review of the Book by Z. Dobrovol'skiy "Investiga- tion of the Construction of a Classification System"	133
News of Conferences and Symposia	137
Subscribe to the New Branch Publication of Tables of Universal Decimal Classification (Metallurgy) ...	142

Available From JPRS 38120

OPTIKA I SPEKTROSKOPIYA
Vol XX, No 6, 1966

VOL. XX, NO. 6

OPTICS AND SPECTROSCOPY

JUNE 1966

CONTENTS

(Numbers in parentheses are original Russian page numbers.
 These Russian page numbers are also quoted at the head of each paper.)

The Lifetimes of Certain Levels of Mercury and Cadmium	Ya. F. Verolainen and A. L. Osheroch	517 (929)
Adiabatic Theory of the Shape of Spectral Lines in Gases in Terms of the Hard Sphere Model	A. I. Burshtein and Yu. I. Naberukhin	521 (936)
Effective Cross Sections for the Excitation of Alkali-Metal Atoms by Slow Electron Collisions. III. Rubidium	I. P. Zapesochnyi and L. L. Shimon	525 (944)
Negative Absorption in the Case of Nonequilibrium Distribution of Molecules with Respect to Velocity	V. A. Dudkin	528 (950)
Absorption Spectrum of Condensed Oxygen in the 1.26-0.3 μ Region	V. I. Dianov-Klokov	530 (954)
On the Cavity Losses on Mode Selection in the Stimulated Emission of Nd^{3+} in Glass	M. P. Vanyukov, V. I. Isaenko, L. A. Luizova, and O. A. Shorokhov	535 (963)
Electronic Spectra of Diaryl Derivatives of 1,4-Divinylbenzene. II	R. N. Nurmukhametov, L. A. Mileschina, L. Ya. Malkes, and L. V. Shubina	536 (970)
Universal Intermolecular Interactions and Their Effect on the Position of the Electronic Spectra of Molecules in Two-Component Solutions. XIII. Physicochemical Properties of Some Molecular Complexes	N. G. Bakhshiev	542 (976)
Combining States in the Electronic-Vibrational Transitions of Complex Molecules and the Electronic Transition Frequency	V. A. Tolkachev	545 (982)
On the Conformity of the Semiclassical and Quantum-Mechanical Theories of the Vibrational Raman Scattering of Light by Molecules	F. A. Savin	549 (989)
On the Theory of the Induced Raman Effect	V. N. Lugovoi	553 (996)
Raman Scattering of Light by Gases in the Region of an Absorption Band	E. M. Verkh	557 (1000)
Vibrational Spectra of Ferrocenes. II (Calculation of the Normal Vibrations of the Methylcyclopentadienyl Ring of 1,1'-Dimethylferrocene	L. S. Mayants and G. B. Shaltup	560 (1010)
Vibrational Spectrum of the Acenaphthene Single Crystal in Light Polarized in Three Crystallographic Planes	A. V. Nefedov and O. V. Fialkovskaya	563 (1016)
Diffusion of Excitons in Naphthalene and Anthracene Crystals. II	V. L. Zima and A. N. Faidysh	566 (1022)
Optical Properties of Platinocyanide Compounds. III. Concentrational Dependence of the Luminescence of Frozen Solutions	A. M. Tkachuk and N. A. Tolstoi	570 (1030)
Excited Absorption Spectrum of Ruby	A. M. Bonch-Bruевич, T. K. Razumova, and Ya. A. Imas	575 (1040)
Piezospectroscopic Study of the Diagram of Levels and Transitions in Sm^{2+} Ions in Alkali-Earth Fluoride Crystals	A. A. Kaplyanskii and A. K. Przhevuskii	577 (1045)
X-Ray Luminescence and Optical Burst in the Phosphor KI-Tl	I. A. Parfianovich and V. G. Krongauz	584 (1058)
Spectral Distribution of the Relative Quantum Yield of Photoluminescence of Polycrystalline Cadmium Sulfide Films at 77°K	K. V. Shalimova, V. N. Khirin, and O. I. Korolev	587 (1063)
On the Electroluminescent Properties of Individual Particles of ZnS-Cu Polycrystalline Samples	I. K. Vereshchagin	589 (1066)
SHORT COMMUNICATIONS		
The Effect of Precipitation Rates and Annealing Upon the Optical Constants of Precious Metals	I. N. Shklyarevskii, R. G. Yarovaya, V. P. Kostyuk, and L. G. Lelyuk	594 (1074)
Use of the Diffraction From a Slit for Plotting the Characteristic Curve of a Photoemulsion	L. A. Luizova and O. A. Shorokhov	596 (1076)

(Continued)

Available From The Optical Society of America,

OPTIKA I SPEKTROSKOPIYA
Vol XX, No 6, 1966

Cross Sections of Inelastic Processes in the Helium-Neon Laser	I. M. Beterov and V. P. Chebotaev	597 (1078)
On the Mechanism of Sensitizing the Luminescence of Eu^{3+} and Tb^{3+} Ions by Organic Dyes	Ch. M. Briskina, V. F. Zolin, and M. A. Samokhina	599 (1081)
Temperature Effects in the Ne-He Laser	S. A. Gonchukov, G. A. Ermakov, G. A. Mikhnenko, and E. D. Protsenko	601 (1083)
On the Population of Hydrogen Levels in the Argon-Hydrogen Plasma Jet	V. M. Goldfarb, E. V. Ilyina, I. E. Kostygova, G. A. Lukyanov, and V. A. Silantyev	602 (1085)
The Generation of Laser Action in the $4f-3d$ Transitions of Neon by Optical Pumping of a He-Ne Discharge With a Helium Lamp	V. N. Lisitsyn and V. P. Chebotaev	603 (1087)
Determination of the Lifetime of the $2p^33p(2p_4)$ State of Neon	T. Krupenikova and M. Chaika	604 (1088)
Spectral Detection of Color Centers on the Surface of Titanium Dioxide Due to the Adsorption of Electron-Donor Molecules	Yu. D. Pimenov and V. E. Kholmogorov	605 (1090)
Author List, Vol. XX		608 (1093)
Contents List, Vol. XX		624 (1104)

Available From Optical Society of America ,Inc.

CONTENTS

	Page
S. L. Zgliczyński, H. Szostek, J. Nielubowicz, S. Aąynowska: Phlebography in postthrombotic syndrome	1
Z. Czekala: The technique of dual-contrast arthrography of the knee joint with horizontal beam of radiation	10
T. Hryniewiecki, J. Bowkiewicz, W. Kraszewski: Transseptal catheterization of the left heart	17
O. Kapuściński: Angiocardiographic diagnosis of interatrial defects	28
S. Winnicki: Occurrence and classification of anatomic variations of the bronchi	46
T. Jankowski, J. Zalewski: Dynamics of the duodenal stump and afferent coil after gastrectomy	64
O. Kapuściński: The value of urethrocystography with special consideration of miction	68
A. Kaniewska, H. Radelicka-Rajszys: The technique of miction urethrocystography in children	75
A. Góralczyk-Piech: The technique of X-ray therapy of tumors of the larynx	81
M. Osińska: Tumors of the palatine tonsil in the material of the Clinic of Radiotherapy in the years 1958—1963	87
A. Góralczyk-Piech: The technique of X-ray therapy of medulloblastoma	96
J. Doroszewski: Irradiation of labeled cells. Remarks concerning radiation dose absorbed in cells labeled with ⁵¹ Cr and other radioactive markers	103
M. Gembicki, W. Lisiak: An improved method of estimating the volume of circulating blood with albumin labeled with radioactive iodine ¹³¹ I	108
H. Cis-Bankiewicz, K. Ponurski: Bobix — a plastic device for chest radiography and fluoroscopy in infants	108

Available From FSTI TT 66-57002/1

CONTENTS

	Page
Z. Szmigiel: Incomplete antigranulocytic antibodies in leukemic patients	503
Z. Jonas, J. Terlecki: Radiocardiographic examination of the heart	507
A. Barwik-Schram, A. Kiela-Fyda: Lipid metabolism in patients with degenerative joint disease	515
K. Kimmel: Comparative results of systematic mycologic examinations of the sputum specimens and bronchial swabs	520
J. Zajackowska, S. Janczy, M. Baraczewska, J. Korlakowski, D. Zych, W. Krychniak: Results of one-year chemotherapy in previously untreated patients with cavernous pulmonary tuberculosis	526
J. Tyrakowska: Rapid and easy method of the determining the drug-resistancy of tubercle bacilli	533
A. Askanas, H. Brokman, R. Walikowicz: The role of viral infection in pneumococcal pneumonia	535
S. Małacka-Dymnicka, N. Bittel-Dobrzyńska: Electrocardiographic changes in children with hypothyroidism	540
M. Chmielowa, J. Korbas, K. Krzywińska, A. Waligóra: Quantitative behavior of acidophilic leukocytes in capillary blood of children after adrenaline and ACTH administration	546
I. Balukiewicz, M. Górecka, K. Rowecka-Trzebicka: Alkaline phosphatase of polynuclear neutrophils in children with rheumatic fever	553
B. Halikowski, J. Armata, S. Garwicz: Low-protein and purine-free diet in acute leukemia in children	558
T. Lewenfisz-Wojnarowska, P. Wierchowski, M. T. Borkowski, D. Kruze, B. Szukalski: Amino acids and phosphorus in serum and urine of children with vitamin D deficiency rickets	569
A. Janus-Kukulska: Peculiarities in development of premature infants of less than 1250 g birth weight	579
E. Bernacki, T. Jankowski: Parathormone (PTH) in the treatment of acute pancreatitis	589
J. Groniowski, I. Roszkowski, J. Kuczyńska-Sicińska: Simple technic of radiological placenta localization and its clinical value	591
Z. Kornicki, R. Biczysko: The amniotic fluid creatinine values in cases of fetal distress	601
I. Roszkowski, D. Pisarek-Miedzińska, J. Miedziński: The influence of normal and complicated pregnancy on the triiodothyronine ¹²⁵ I uptake by erythrocytes	606
J. Jonek, H. Skalba, Z. Klimkiewicz, L. Dzieciuchowicz: Histochemical studies on the behavior of succinic acid dehydrogenase, NADH, tetrazolium reductase, ATP-ase and alkaline phosphatase in cancer of the uterine cervix in women	614
J. Jonek, H. Skalba, Z. Klimkiewicz, L. Dzieciuchowicz: Histochemical studies on the localization of some enzymes in uterine cervix cancer in women	622
T. Pisarski, A. Topilko: Comparative study of the vascular syncytial membranes of the human placenta in light and electron microscopy	630
S. Soszka, K. Odyńiec: The evaluation of the resting potentials of trout ovum (<i>Salmo trutta</i> L.) in the process of insemination and fertilization	639
J. Tynecki, C. Tompolski, L. Hruczkowski, M. Wilort: Correlation between the total concentration of free amino acids in blood sera of women in labor and in umbilical blood sera of their babies in full term deliveries	644
M. Kędracki: Behavior of total, free and esterified cholesterol in delivery and early puerperium	649
S. Wójcik: Reciprocal innervation of directly and indirectly synergic and antagonistic external eye muscles	656
J. Krych: The effect of streptokinase on experimental hemorrhage in the anterior chamber of rabbit's eye	662
H. Zygułska-Mach: The content of glutathione in various types of senile cataract	667
S. Mrzyglód, T. Szydłowska: Studies on the sensitivity of the bacterial flora from the conjunctival sac to antibiotics and sulfamides	673

(Continued)

Available From CPSTI TT 66-57007/3

POLSKI TYGODNIK LEKARSKI

Vol XX, No 18, 1965

(Continued)

	Page
A. Pietrzykowska: Investigation of the vascular system of the senile skin	679
Z. Olszewska: Iron metabolism in early symptomatic syphilis	686
I. Hausmanowa-Petrusewicz, A. Koźmińska: Comparison of electromyographic pictures of various forms of circumscribed scleroderma	693
R. Michałowski, M. Chibowska, H. Wrębiakowski: Palatine lipidophilia in man and its correlation with age	700
J. Iwaszkiewicz: Burns of the upper respiratory tract caused by mustard gas	706
W. Fejkiel, M. Doleżał: Studies „in vitro” on the application of atabrine in endocarditis	710
J. Pokora: Effect of serpasil, niamid and deseril on the excretion of 5-hydroxyindoleacetic acid in diurnal urine and on oxidase activity of ceruloplasmin in human serum	716

Available From CFSTI TT 66-57007/3

CONTENTS

	Page
W. Tyminski, E. Czestochowska: The fibrinolytic activity of red blood cells	231
L. Tachowicz, S. Pasyk, J. Dubiel: The course of mitral stenosis in 413 conservatively treated patients	239
M. Wierzchowiecki, J. Zeromski: The antiglobulin consumption test and immuno-fluorescence studies in the diagnosis of systemic lupus erythematosus (SLE) . . .	245
W. Zukowski, S. Gruszka: Determination of pituitary reserve in hyperthyroidism . . .	251
W. Krdl, T. Ciba: Value of the serum turbidity test in hypophyseal-adrenal hyper- and hypofunction	255
W. Zagorski, Z. Glowinski, T. Osiecki, J. Pelasa: Thromboelastographic investigations of patients operated for cholelithiasis	259
A. Kasperlik-Zaluska: Studies on leukergic reaction after intradermal injection of penicillin	265
A. Krotkiewski, J. Juskowa, M. Grodzki: Effect of single intravenous injections and intravenous instillations of norepinephrine and angiotensin on electrocardio-graphic patterns in dogs	268
Z. Semerau-Stemianowski: The effect of catecholamines on the actual myocardial blood flow	277
S. Pawelski, L. Konopka, S. Roszkowski, K. Radecka: A comparison of the iron-binding capacity of the serum studied by means of biochemical and isotope methods . . .	286
A. Nowak, B. Zahorska-Markiewicz: Urokinase activity and fibrinolysis in renal diseases	292
P. Borel, A. Borzuchowska, Z. Borucki, E. Trembaczowski: The diagnostic use of ¹²⁵ I tagged rose bengal in the diseases of liver parenchyma	298
Z. Tyszkiewicz: Diagnostic value of Sternheimer-Malbin cells in diseases of the urinary system (Experimental part)	305
E. Wichrzycka: PAS reaction in proliferative diseases of the lymphatic system . . .	311
E. Rewinska, E. Szulkin, H. Styszczyńska: Influence of the extent and evolution of tuberculous lesions and of coexistent diseases on the seromucoid values in tuberculous patients	318
W. Franek, J. Przesmycki: The presence of C-reactive protein (CRP) in patients with pulmonary tuberculosis and with generalized tuberculosis	327
W. Serzysko: Certain hemodynamic values in chronic <i>cor pulmonale</i>	331
J. Zajęczkowska, W. Krychciak, P. Krakowska, M. Buraczewska: Results of one-year chemotherapy with isoniazid (INH), streptomycin (SM) and ethionamide (ETA) in previously untreated patients with cavernous pulmonary tuberculosis . . .	339
S. Kędrowa, P. Krakowska, J. Grymiski: The effect of INH on the liver cell in patients with pulmonary tuberculosis and viral hepatitis	345
G. Jenderko, E. Rogala, H. Kozlicka-Słowko: Investigation of carbohydrate metabolism and level of ketone bodies in bronchial asthma	350
J. Warlenberg, M. Zawarka, J. Zawarka: Investigation on properdin level after surgical procedures in children	355
Z. Taborski: On the innervation of the large intestine and microscopic examinations in Hirschsprung's disease in children	361
B. Zatorska, W. Kwiatkowska: Observations on the clinical picture of histiocytosis X . .	366
A. Ogole, I. Borzęcka, C. Gęca: Daily excretion of 17-ketosteroids and 17-hydroxy-corticosteroids in girls and boys aged 0-14 years	374
T. Borszcz, S. Krul, L. Stokowski: Morphology of nonfatal viral hepatitis in children in biopsy material	380
T. Borszcz, S. Krul, L. Stokowski: Morphology of the liver in infectious mononucleosis in children	388
W. Niepołomski, K. Śmigla: Visceral pathomorphology of experimental animals subjected to the action of 10-7 MHz frequency electromagnetic field	396

(Continued)

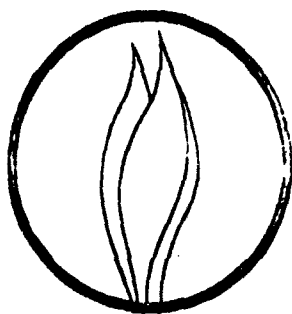
Available From CISTI TT 66-57007/2

POLSKIE ARCHIWUM MEDYCyny WENETZNEJ
Vol XXIV, No 7, 1965

(Continued)

	Page
<i>E. Gruszka, T. Żebro</i> : Localization of lesions of the central nervous system in cases of intracranial tumors and changes in the alimentary tract	406
<i>E. Osełowska, Z. Wróblewska-Mularczyk</i> : Neuropathology of experimental tick-borne encephalitis I. Brain changes after intracerebral infection of adult mice	416
<i>M. Dąmbska, Z. Kraśnicka, R. Michałowicz</i> : Hydroanencephalia in the course of congenital toxoplasmosis	432
<i>A. Pawłowski, W. Kostanecki</i> : Effect of biotin on hair roots and sebum excretion in women with diffuse alopecia	447
<i>M. Zarzycka</i> : Disturbances of twilight vision in the course of viral hepatitis	453
<i>B. Piątkowska</i> : Attempts at treatment bacterial keratitis with low temperature	461
<i>T. Krwawicz, K. Zagórski, B. Szwarz</i> : Experimental investigations on the possibility of inhibition of the chemical action of a copper splinter in the vitreum	466
<i>J. Tynecki, Z. Boczkowski, H. Żrubek, H. Doraczyński, M. Choma, K. Robak</i> : Chromatographic pattern of free amino acids in human semen	472
<i>J. Tynecki, H. Żrubek, Z. Boczkowski, H. Doraczyński, M. Choma, K. Robak</i> : Studies on DNA content in human semen	477
<i>S. Chrzanowski</i> : Ultrastructure of human spermatozoon	482
<i>I. Roszkowski, J. Wójcicka, K. Zaleska</i> : Low fetal body weight and the serum iron level in the mother and newborn	492

Available From CFSTI TT 66-57007/2



Applied Biochemistry and Microbiology

The Faraday Press cover-to-cover
translation of *Prikladnaya Biokhimiya i Mikrobiologiya*

Contents

Volume 1, Number 4 • July - August 1965

Editorial Board
*Prikladnaya
Biokhimiya i Mikrobiologiya*
a publication of the
Academy of Sciences USSR

V. N. Bukin,
Editor-in-Chief
I. Ya. Vassilov,
Associate Editor
P. F. D'yachenko
N. D. Ierusalimskii
V. L. Kretovich
L. V. Melnik
E. D. Mikhlin
E. L. Ruban
G. K. Skryabin
V. I. Solov'ev
B. V. Chapiga

	Russian page	English page
Chemical Composition of Products of Graded Milling of Rye. V. F. Golenkov, A. M. Bratukhin, and T. E. Zhil'tsova ..	369	272
Activity of Enzymes Which Dephosphorylate Organic Phosphorus Compounds of Soil. F. Kh. Khaziev and M. N. Burangulova	373	275
Biochemical Characteristics of Quince Fruits. A. T. Markh and S. I. Kozenko	380	281
Vitamin Composition of Millet Oil. S. M. Belova and Ya. I. Denisenko	387	287
Role of Carotene in the Autooxidation of Butter Fat. P. V. Shebanin	391	290
Microbiological Synthesis of L-Lysine. L. Ya. Areshkina, M. E. Beker, V. N. Bukin, R. Ya. Karklin'sh, N. M. Klyueva, L. S. Kutseva, and G. K. Liepin'sh	396	294
Isolation and Purification of L-Lysine from Culture Fluid by an Ion Exchange Method. L. Ya. Areshkina, L. O. Raminya, R. Yu. Are, and R. Ya. Karklin'sh	404	301
An Investigation of Cellulase Biosynthesis by <i>Myrothecium</i> <i>Verrucaria</i> . R. V. Feniksova and I. V. Ulezlo	406	303
A Search for Antibiotics Active Against Lactic Acid Bacteria Causing Infection in the Fermentation Industries. E. I. Kvasnikov, G. I. Lavrent'eva, and T. P. Slyusarenko	414	309
Adaptation of Representatives of <i>Pseudomonas</i> and <i>Mycobacterium</i> to Some Analogs of Amino Acids. L. P. Volkova, S. A. Butenko, and E. G. Kenig	420	314
Effect of Carbon and Nitrogen Composition of Medium on Growth and Carotenoid Synthesis of <i>Sporobolomyces Roseus</i> 362. T. S. Bobkova	426	320
Amino-Acid Metabolism and Griseofulvin Formation in <i>Penicillium Nigricans</i> Thom. A. N. Klimov and T. P. Efimova	433	326

(Continued)

Single issue: \$35

Annual Subscription: \$120

© 1966 by The Faraday Press, Inc.
All rights reserved. This publication or parts thereof may not
be reproduced in any form without permission of the publisher.

The Faraday Press, Inc.

84 FIFTH AVENUE, NEW YORK, N. Y. 10011

PRILADNAYA BIOKHIMIYA I MIKROBIOLOGIYA
Vol I, No 4, Jul-Aug 1965

CONTENTS (CONT'D)

	Russian page	English page
Buffer Properties of Molasses and Their Effect Upon the Growth of Baker's Yeasts. N. G. Palagina, N. V. Rozmanova, A. I. Khrycheva, and V. A. Solomakhina	440	332
Effect of Storage Conditions on the Ergosterol Content of Yeasts. R. D. Gal'tsova and L. M. Mikots	449	339
A Modified Method of Biotin Determination by Means of the Yeast <i>Candida Tropicalis</i> SK-4. G. M. Shavlovskii, E. M. Logvinenko, and L. T. Kuz'menko	452	342
Determination of Dissolved Oxygen Content and Respiration Rate of the Fungus <i>Tieghemella Orchidis</i> in Various Conditions of Cultivation in a Fermentor. I. S. Korshunov, N. D. Ierusalimskii, and G. K. Skryabin	461	350
Brief Communications		
Phenolic Substances in Healthy and Russeted Apples. E. G. Sal'kova and R. I. Bekbulatova	466	355
Amount of Nitrogenous Substances in Wracks of the Murman Coast. G. K. Barashkov and A. V. Vakhreshina	469	357
Influence of Treatment of Sunflower Seeds with Gamma Rays on their Preservation. K. G. Koshlakova, L. V. Romanova, E. Yu. Fal'k, and S. A. Chernomorskii	471	360
Determination of Linoleic and Linolenic Acids in Millet Oil by a Spectrophotometric Method. S. M. Belova and Ya. I. Denisenko	474	363

Available From Paraday Press

PRZEGŁAD EPIDEMIOLOGICZNY
Vol XIX, No 3-4, 1965

CONTENTS

Collective work: Antibiotic resistance of <i>Staphylococcus aureus</i> strains isolated in Poland in the years 1960—1963	77
Collective work: Antibiotic resistance of strains of <i>Streptococcus viridans</i> , <i>Streptococcus faecalis</i> , <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , <i>Proteus</i> sp. and <i>Klebsiella</i> sp. isolated in Poland in the years 1960—1963	90
Z. Tynecka: Resistance of staphylococci to HgCl ₂ as a criterion of their epidemic properties	96
A. Kulesza, M. Kacprzak, L. Milewska: Mass smallpox vaccinations in Poland in the year 1963 and the epidemic situation of viral hepatitis	101
B. Jaroszyńska-Weinberger, T. Sporyński, J. Mészáros, B. Kręska (techn. assist.): An attempt to establish the etiology of angina after smallpox vaccination	*
J. Mészáros, E. Fidziańska, B. Kręska: Laboratory diagnosis of smallpox during the epidemic in Poland in 1963	112
E. Fidziańska: Studies on variola viruses in tissue cultures	*
Z. Przybytkiewicz, J. Borysiewicz, J. Branny, J. Georgiades, E. Juzwa, U. Chmura: Studies on the etiology of viral diseases of the central nervous system. I. The role of polio, adeno, influenza and mottled viruses in neuroinfections	*
H. Horbowska, H. Wielopolska: Virologic and serologic studies on adenoviruses in Warsaw in the years 1963—1964	*
B. Kassur, I. Wołoszczuk, J. Adamczyk: Electrocardiographic changes in vaccinated and unvaccinated diphtheria patients	*
T. Olakowski: Incidence of diphtheria in the Warsaw province in the years 1959—1963	*
D. Naruszewicz-Lesiuk: Evaluation of typhoid vaccines and effectiveness of the vaccinations. XXVI. Laboratory evaluation of the immunizing potency of vaccines used in controlled field trials in Poland and in the Soviet Union	126
W. Bochenek, A. Dziok, W. Magdził, M. Sanecki: The epidemic of paratyphoid B fever in the Rzeszów province in 1963. I. Epidemiologic analysis	*
A. Wątróbski, Z. Dyszkiewicz: The epidemic of paratyphoid B fever in the Rzeszów province in 1963. II. Clinical analysis of cases treated at the hospitals in Łańcut and Sarzyna	*
D. Serokowa, K. Wojciechowski: The agar gel precipitation test in the course of experimental infection of laboratory animals with the rabies virus	128
H. Gawron: Epidemiologic characterization of typhus fever in the Lublin province in the years 1950—1961	151
J. Mészáros, B. Jaroszyńska-Weinberger, with the technical assistance of B. Kręska: Serologic studies in children vaccinated against smallpox under protection with gamma-globulin or Methisazone	160
J. Bincer, H. Wysoczyńska, B. Trzaska: The smallpox epidemic in Gdańsk in 1962	*
W. Samuness, with the collaboration of J. Sikorska, E. Szymanek, A. Mikosz, L. Cechowicz: On the possibility of spread of <i>S. enteritidis</i> infection by the respiratory route	164
T. Sawaryn: The behavior of some species of bacteria in the stools of patients with viral hepatitis	172
J. Zabicka: Epidemiologic analysis of epidemic parotitis in Poland in 1961	176
B. Międska-Kaszurowska, H. Majstrak: A case of chronic meningococcal septicemia	*
H. Janowska: <i>Salmonella enteritidis</i> infection in a childhood environment	*

* Papers denoted by asterisks may be found in *Przegląd Epidemiologiczny* 2/65 and 4/65, the Polish edition of periodical.

Available From CFSH TT-65-50300/3-4

RUDARSKO-METALURSKI ZBORNIK
No 1, 1966

CONTENTS

E. Plöckinger: <i>Methods and Aims of Vacuum Steelmaking</i>	5
I. Pust: <i>Central Bosnian Coal Field and Its Prospects</i>	25
B. Dobovišek, and A. Paulin: <i>Relationship between Crystal Structure of Inter-metallic Phases and Thermodynamic Properties of Metallic Systems</i> . .	41
S. Grafenauer, and D. Strmole: <i>Texture and Mineral Composition of the Rio-novo Nickeliferous Iron Ores</i>	57
D. Oecpek: <i>Aeration of Flotation Pulps</i>	71
F. Vodopivec, L. Kosec, and R. Brifah: <i>Fatigue Limit of Case Hardened Steels and the Influence of Non-Metallic Inclusions on Their Fracture under Pulsating Stress</i>	81

Available From CFSTI TT 66-59003-1

SOVIET PUBLIC HEALTH

No. 6, 1966

Vol. 25

- USSR -

[Following is a cover-to-cover translation of the Russian-language periodical Sovetskoye Zdravookhraneniye (English version above), Moscow, Vol. 25, No 6, 1966, pages 1-88.]

<u>TABLE OF CONTENTS</u>	<u>Source</u>	<u>Report</u>
Medical Worker's Day, N. N. Grigor'yeva	3	1
The Great Holiday of Public Health Workers Yu. P. Lisitsyn	5	5
The Five-Year Plan of Development for Public Health, 1966 - 1970, and Planning Tasks V. V. Golotayev	9	10
A Study of the Rural Population's Requirements in Therapeutic-Prophylactic Assistance G. M. Zelezninskaya, L. A. Averbukh, S. V. Boyarko, R. Yu. Yakobson, R. D. Kusnetsova, L. R. Levinskaya, E. L. Ovetskaya, and Ye. V. Khodakovskiy	14	17
The Use of Scientific-Research Data in Solving Practical Problems of Organising Medical Aid to the Population I. M. Andreyeva	19	25
Improving Expense Planning for Hospital and Polyclinic Maintenance I. A. Gorokhova	22	30
The Health of Our Workers: An Important Factor in the Development of Industry A. M. Isutkin	27	37

(Continued)

Available From JPRS 38116

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXV, No 6, 1966

<u>TABLE OF CONTENTS</u>	<u>Source</u>	<u>Report</u>
Economic Losses Associated with Illnesses of Paper and Cellulose Sorters A. M. Burtsev	31	42
The Use of Linear Programming in Planning the Hospital Network of the Moldavian SSR V. I. Kant	32	44
The Use of Methods of the Theory of Mass Service in Determining the Need for First Aid and Emergency Medical Assistance E. S. Antipenko	34	48
Some Problems in Public Health Administration R. S. Sagatov	42	58
Further Improvement in Public Health Management in Rural Districts A. M. Sachkob	45	63
The Medico-Geographical Study of Social- Hygienic Problems A. B. Shevelev	48	68
Temporarily Incapacitating Illness Among Workers, The Kiev State Poultry Farm M. A. Razdobud'ko and L. F. Borisovets	53	75
<u>The History of Public Health and Medicine</u>		
The Feat of a Rural Physician Ye. Ya. Balitskaya	57	81
Organizing Public Health Services in Siberia in the Early Years of the Soviet Regime N. P. Fedotov	58	83
Significant and Anniversary Dates from Medical History, 1966 July	63	92

(Continued)

Available From JPRS 38116

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XIV, No 6, 1966

<u>TABLE OF CONTENTS</u>	<u>Source</u>	<u>Report</u>
<u>In Foreign Countries</u>		
Some Problems in Organizing Medical Education in Hungary I. P. Lidov	67	102
<u>Book Reviews and Bibliography</u>		
A Review of the Book <u>Organizatsiya i Upravleniye /Organisation and Management/</u> (American Experience) S. Ya. Freydlin	71	107
A Review of the Book <u>Bor'ba Meditsiny s Religiyey v Drevney Rusi /The Struggle Between Science and Religion in Ancient Russia/</u> B. D. Petrov	72	110
A second Review of the above book by V. P. Gritskevich and G. I. Dovgalo	74	114
A Review of the Book <u>The Struggle Between Materialism and Idealism on the Question of the Nature of Life</u> A. A. Gel'fman and I. V. Savitskiy	76	118
A Review of the Book <u>Zapiski Sanitarnogo Vracha /Notes of a Sanitary Specialist</u> Ye. I. Lotova	78	122
A Review of the Book <u>V"vroshdenska Meditsinska Knizhnitsa</u> V. Davydova	79	125
A Review of the Book <u>Otdalennyye Rezul'taty Khirurgicheskogo Lecheniya Bolesnykh Serdtsa i Sosudov /Long-term Results of Surgery for Cardiovascular Disease</u> E. I. Deychman	80	128

(Continued)

Available From JPRS 36116

SOVETSKOYE ZEMVOOOBRAZHENIYE
Vol XIV, No 6, 1966

TABLE OF CONTENTS

Source

Report

Jubilee Dates

Mikhail Petrovich Mul'tanovskiy
D. M. Levit

83

133

Current Events

Activity of The Institute of History
of Karlov University
Docent Jan Gavronek

84

135

Scientific Conference on Problems of
the Economics and Planning of Public
Health
M. P. Roytman

85

137

Available from JPRS 38116

ТЪЛ І СЪВЪЗНИТЕ СОВЕТСКИЕ ПОСРЕДНИКИ СІЛ
Vol XLVI, No 7, 1966

TABLE OF CONTENTS

- S. Gorshkov. Urgen Tasks of the Naval Rear Service.....
V. Zotov. Prospects for the Development of the Food Industry.....

Toward the 50th Anniversary of Great October and the Soviet Armed Forces

- M. Milovskiy, A. Tarslov. The Red Army Rear Service during the Years of
the Civil War and Peaceful Socialist Construction

Military Training and Education

- F. Malykhin. An Important Stage in the Development of the Rear Organs of
the Soviet Armed Forces
- N. Levchenko. Put Advanced Experience into Training and Work Practice.....
- G. Yemel'yanov. On a Mission
- Ye. Gradoboynov, P. Karpovich. A Military Apprenticeship is an Important
Training Stage
- I. Troitskiy. The Continuance of an Exploit

Methodological Advice

- M. Kudryashov. The Training Town of Military Pipeline Layers

Advanced People of the Army and Navy Rear Service

- I. Pavlov. The Highway on the Sea

Military Supply and Life

- P. Kochetkov. Satisfy More Fully the Requirement of Military Consumers...
A High Reward

(Continued)

Available From ACSI J-0725
ID 2204045866

ТЪЛ I SNAZHENIYE SOVETSKOYE VOORUZHENIYE SIL
Vol XX/I, No 7, 1966

A. Koshchiy. The Food Supply of Small Sub-Units	
Discussion of the Article "On Ways of Further Improving Military Industry"	
D. Agafonov. Solve Economic Problems More Daringly	
For "A Sub-Unit of the Economical"	
I. Konushkin, V. Smetanian. On New Thresholds	
Advice, Consultations and Answers to Readers' Problems	
A. Basurin. The Order for Cataloging Tableward and Inventory.....	
S. Mironov. On the New Regulations for Estimating Loading-Unloading Time on Railroad Transportation.....	
The Means of Communication and Transport	
A. Balkovskiy, A. Motovilov. Controlling Highway Movement	
M. Averbukh, D. Lobanov. From the Experience of Hauling Packed Loads of VNF.....	
A. Ryshechkin, G. Prokof'yev, A. Korolev, P. Kotel'nikov. The Floating Bridge as a River Transport Means	
Rear Technique and Technical Supply	
G. Mykal. Let Us Improve the Means of Airfield-Technical Supply of Mats	
V. Rad'ko. Fuel Economy Is an Important State Affair	
Initiative and Experience: E. Baranov. The Coefficients Introductory Board ; V.Kolomitsets. A Disinfecting and Disinfestating Apparatus; V.Novikov. Typical Bar Holders; V. Obras. The Easy-Entrance Gangway	
Note and Letters	
A. Bagirov, G. Bagimov. Utilize Railroad Cars in an Economic Manner;	
N. Soldatov. Protecting the Health of the Military; V. Kupriyanov On "the Petty Things" in Life; A. Shtafetov. Up-to-date Training Manuals are Necessary.....	
On Our Friends	
V. Alenashcheyn. Rationalization at the Service of the Rear.....	
Review and Bibliography	
E. Rudakov. An Aid to Soviet Military Legislation	
Chronology of the Rear Service	

Available From AOEI J-0725
ID 2204045866

Vestnik OF THE USSR ACADEMY OF MEDICAL SCIENCES

Vol XXI, No 7, 1966

[Following is a complete translation of the Russian-language journal Vestnik Akademii Meditsinskikh Nauk SSSR (Herald of the USSR Academy of Medical Sciences), Moscow, Vol XXI, No 7, 1966, pp 3-95.]

Table of Contents

Page

**INFECTIOUS DISEASES AND THEIR PREVENTION IN
CHILDREN DURING THE FIRST YEARS OF LIFE**

P. F. Zdrodovskiy. Immunology of Early Childhood and Specific Prophylaxis of "Infantile Infections"	1
O. V. Baroyan. The Epidemiology and Prophylaxis of Infections of Early Infancy	9
Yu. F. Dombrovskaya and A. K. Svetlova. Respiratory Pathology of Infants During the First Months of Life	18
V. M. Zhdanov, R. S. Dreysin and Ye. S. Ketiladze. Modern Methods of Diagnosing Respiratory Viral Infections in Infants	26
S. D. Nosov. Respiratory Viral Infections in Infancy	37
G. V. Vygodchikov. Problems in the Diagnosis and Specific Prophylaxis of Staphylococcal Infections in Children	45

(Continued)

Available From JPRS 38,258

VESTNIK AKADEMII MEDITSINSKIKH NAUK SSSR
Vol XXI, No 7, 1966

<u>CONTENTS (Continued)</u>	<u>Page</u>
B. V. Lebedev, Yu. I. Barashnev and Ye. Ch. Novikova. Discussions and Concluding Remarks at the 22nd Session of the General Assembly of the Academy of Medical Sciences USSR on the Reports Devoted to the Physiology and Pathology of the Fetus and Infants	53
Resolution of the 22nd Session of the General Assembly of the Academy of Medical Sciences USSR with Respect to Reports on the Physiology and Pathology of the Fetus and of Infants	83
Current Events.	87
G. N. Kassil'. The Problem of Homeostasis in Physiology and Clinical Medicine.	89
A. M. Kharitonova. On the Mechanism of Nephrotoxicity of Certain Antibiotics.	106
Kh. M. Markov. Hypertension and Allergy	114
 CONFERENCES AND MEETINGS	
V. Ya. Shevlyagin. International Symposium on Specific Tumor Antigens	129

Available From JPRS 38,258

Vestnik OF THE USSR ACADEMY OF SCIENCES

Vol 36, No 7, 1966

[Following is a complete translation of the Russian-language journal Vestnik Akademii Nauk SSSR (English version above), Moscow, Vol 36, No 7, July 1966, pp 1-128. Original page numbers accompany each article.]

Table of contents

	<u>Page</u>
Editorial Board	1
P. N. Fedoseyev. Marxist Sociology, Its Tasks and Prospects	1
Ya. K. Syrkin and M. Ye. Dyatkina. The Principal Theoretical Problems of Inorganic Chemistry	14
MATHEMATICS AND EARTH SCIENCES	
A. A. Dorodnitsyn. New Practical Applications of Mathematical Methods	31
G. I. Petrashen'. Mathematical Methods in Geophysics and Geology	39
-	
N. N. Bogolyubov. Successes of the Soviet Mathematical School (At the International Congress of Mathematicians at Moscow)	49
PROBLEMS OF SYNTHETIC FOOD	
A. M. Ugolev. Monomeric Nutrition and Some Questions of the Physiology of Digestion	58
A. N. Nesmeyanov and V. M. Belikov. Synthetic Food and Monomeric Nutrition (As Regards the Article of A. M. Ugolev)	69

(Continued)

Available From JPRS 38,265

VESTNIK AKADEMII NAUK SSSR
Vol XXXVI, No 7, 1966

	<u>Page</u>
IN THE ACADEMY OF SCIENCES GEORGIAN SSR	
N. I. Muskhelishvili. The Contribution of the Scientists of Georgia to the Progress of Science and Technique	72
I. S. Beritashvili. From Spinal Coordination of Movements to Psychoneural Integration of Behavior	80
Brief Communications: The Botanical Gardens of Georgia	91
The Preservation and Study of Ancient Manuscripts	93
INTERNATIONAL SCIENTIFIC LIFE	
A. M. Kuzin, B. I. Komzin and O. M. Karpenko. The Effectiveness of Scientific Investigations (On the results of the symposium of scientists of the Academies of Sciences of socialist countries)	96
A. A. Prokof'yeva-Bel'govskaya. Cytogenetics and the Pathology of Pregnancy (Conference at Geneva)	103
Brief Communications [international conferences]	107
SESSIONS, CONFERENCES AND MEETINGS	
The Application of Computer Technique for Control in Industry and Transport (Scientific session at Moscow), O. K. Sobolev	123
The Mathematical Modelling of Life Processes (All-Union conference at Moscow), I. A. Akchurin	126
Soviet Investigations of the Antarctic (All-Union conference), I. Ya. Lapina	127a
New Fire-Resistant Inorganic Materials (Session of the Scientific Council), Y. S. Yanovskiy	130
Theoretical and Methodical Questions of Agrochemistry (Session at Moscow), A. A. Kalinina	135
The Structure and Functions of the Cell Nucleus (Symposium at Moscow), I. B. Zbarskiy and N. P. Loshkareva	139
Problems of Economic-Mathematical Modelling (Seminar at Novosibirsk), V. L. Makarov	143
ACCORDING TO THE MATERIALS OF THE SCIENTIFIC ARCHIVES	
B. V. Lukin. The Expedition of the Petersburg Academy of Sciences to Mexico and Cuba	147
The Archival Collection of Academician V. F. Shishmarev, M. A. Borodina and B. A. Mal'kevich	152
CHRONICLES AND INFORMATION	
The Seventieth Birthday of P. S. Aleksandrov	155
The Sixtieth Birthday of V. A. Ausnetsov, Corresponding Member of the Academy of Sciences USSR	156

Available From JPRS 38,265

(Continued)

VESTNIK AKADEMII NAUK SSSR
Vol XXXVI, No 7, 1966

	<u>Page</u>
Jubilee of Academician A. N. Terenin	157
Awarding of the A. N. Bakh Prize	158
Awarding of the D. I. Mendeleev Prize	159
Certificates to Scientific Institutions Participating in the Exhibition of Achievements of the National Economy of the USSR	159
Scientific-Organizational Decisions of the Presidium of the AS USSR	161
 CRITICISM AND BIBLIOGRAPHY	
N. M. Emanuel', Ye. T. Denisov, and Z. K. Mayzus. <u>Tsepnyye reaktsii okisleniya uglevodorodov v zhidkoy faze</u> (Chain Reactions of the Oxidation of Hydrocarbons in the Liquid Phase) -- Reviewed by D. V. Mushchenko	163
V. P. Zubov. <u>Razvitiye Atomisticheskikh predstavleniy do nachala XIX veka</u> (The Development of Atomistic Concepts to the Beginning of the 20th Century) -- Reviewed by I. B. Pogrebysskiy	166
<u>Rukopisnyye materialy Leonarda Eyler v arkhive Akademii Nauk SSSR</u> (Manuscript Materials of Leonard Euler in the Archives of the Academy of Sciences USSR) -- Reviewed by I. A. Tyulina	169

Available From JPRS 38,265

VOYENNO-MEDITSINSKIY JURNAL
No 4, 1966

Table of Contents

D. D. Kuvshinskiy. Let Us Implement the Decisions of the XXIII Congress of the CPSU

The Delegates to the XXIII CPSU Congress Have the Floor

N. S. Bobrov and S. Ye. Popov. Some Gnosiological Problems in Present-Day Medicine

**The Organization of Medical Service
For the Troops**

O. K. Gavrilov and V. A. Zhulin. The Administration of Expert Medical Service at a Regimental Medical Post

N. Ya. Shkredov, F. F. Buzalo and A. T. Shevelev. Special Tactical Exercises In the Deployment And Operation of a Mobile Field Hospital

Prophylaxis And Therapy

S. Ya. Arbusov and A. M. Stashkov. The Present State of the Radioreistance Problem

A. M. Marshak. The Errors And Dangers Inherent in the Treatment with Antibiotics.

A. A. Balyabin. Experimental Anaerobic Infection And Its Treatment with Antibiotics

M. V. Mukhin. The Oncological Awareness of Stomatologists and Dentists

A. K. Apatenko and Yu. S. Dranitskiy. Cutaneous Melanoma

(Continued)

Available From ACSI J-0169 2204032366

(Table of Contents---cont.)

Hygiene And Epidemiology

- I. A. Danilov.** The Vitamin Saturation of A Tankman's Organism During Field Exercises and Target Practice
- S. I. Pastukhev, V. M. Fouks, Sh. Sh. Sultanov, N. Ye. Uskov and A. P. Kochenovskiy.** The Incidence of Enterocolitis Among Adults
- M. I. Verob'yev.** Sporocidal Characteristics of Beta-Propionit Lactone

Aviation And Naval Medicine

- N. A. Agadshanyan and A. V. Sergiyenko.** The Changing Resistance to High Altitude As Determined by the Decompression Rate
- V. A. Karalin.** Goniometry: A Method of Determining the Spinal Function Supernumerary
- V. A. Kolesnikov.** The Maintenance of a/Blood Bank on Board Ship

Exchanging Experience

- O. N. Novosheilov.** The Use of Punch Cards for the Compilation of A Medical Bibliography
- A. V. Sogov.** The Preservation of Donor Blood in Field Conditions
- A. N. Solomin.** A Rare Observation of Reflex Stenocardia
- N. A. Myasnikov And V. V. Brodovskiy.** Prophylaxis of Digestive Diseases And Anti-Relapse Treatment
- T. I. Amoschenkov and V. T. Bakhur.** Cerebrovascular Disorders of a Functional Nature Among Young People

Abstracts.

Efficiency Proposals

- I. P. Lalakov.** A Telephone for Determining the Tonus of ^{the}/Arterial Vessels
- V. G. Palechayev.** The Adaptation of a Large-Frame Fluorograph To An RUM-4 Device for the Purpose of Photographing the Bones and the Cranium

News Items

- Alexei Nikolayevich Maksimenkov.**
- Mikhail Mikhailovich Filippov.**
- D. I. Kopytov and B. N. Rokhtman.** A Scientific Conference On the Problem of Burns

Consultation

- Art. T. Reshkov.** The Prophylaxis of Cancer In the Experience of an Army Doctor

New Books.

Available From ACBI J-0169 2884032366

VOYENNIY VESTNIK
No 6, June 1966

TABLE OF CONTENTS

	<u>Page</u>
LEAD ARTICLES	
A. Vigilantly Stand Guard Over the Motherland	1
B. For the Combat Applicability of Party Propaganda	6
C. Towards New Heights in Combat Skill, by Lt Col I. Noskov and Maj M. Plakhotnik	12
D. V. I. Lenin on the Defense of the Socialist Fatherland, by Maj Gen N. Kiryayev	16
E. Born in 1918, by Lt Gen (Ret) T. Kargopolov and Col V. Anisimov	22
F. Two Friends, by Col I. Vakurov and Col G. Andreyev	30
G. Crossing, by Col V. Smirnov	38
TACTICS	
A. Assault Crossing of Water Obstacles, by Col N. Gorbunov	44
B. A Tank Battalion Attacks from the March, by Col N. Pokidchenko	51
C. On a Multiple Subject, by Col G. Verbovnikov	55

(Continued)

Available From ACSI J-0431

VOYENNY VESTNIK
No 6, June 1966

J-0431

b

	<u>Page</u>
D. Artillery Battalion in the Assault Crossing of a Water Obstacle, by Col N. Shibayev	66
E. Solve This Problem	75
F. Communications at a Crossing, by Maj M. Nazarov and Maj S. Syrygin	77
G. Protection Against Weapons of Mass Destruction, by Col A. Martynov	80
TRAINING AND EDUCATION	
A. Initiative and Boldness of a Commander, by Col P. Babichev	86
B. In the Field Academy, by Maj Gen G. Golofast	91
C. Have Respect for the Individual, by Col V. Komissarov	95
D. Classroom for Studying "Weapons of Mass Destruction and Defense Against Them," by Col L. Bel'vederskiy, Maj G. Ustinov, and Maj A. Izvekov	101
E. On a Sand Table, by Lt Col G. Brailovskiy	106
MISSILES, ARTILLERY, AND AIR DEFENSE TROOPS	
A. Preparing to Fire at Surface-Borne Targets, by Maj V. Murav'yev	110
B. Reducing the Time to Prepare Fire, by Col N. Stroynov, Lt Col N. Kurlenin and Maj I. Golubev	113
C. Even More Rapidly, by Sr Lt A. Shlyakhov	118
D. In an Attack with an Assault Crossing of a River, by Col Ye. Makrov and Lt Col A. Smirnov	118
E. What is Concealed by Seconds Saved, by Maj N. Tkali' ...	123
SPECIAL TROOPS	
A. The Right to be Called the Best, by Col V. Afanas'yev	128
B. Labor Gives Birth to Skill, by Capt V. Novikov	132
C. A Crossing, by Maj V. Mishin	138
D. Making Bridge Elements Locally, by Guards Lt Col M. Sidorchenko and Guards Maj E. Anosov	143

(Continued)

Available From ACHI J- 0431

VOYENNIY VESTNIK
No 6, June 1966

J-0431

	<u>Page</u>
E. Tankers Study the Radio Equipment on Vehicles, by Guards Maj I. Korostelev	147
FIRE AND WEAPONS	
A. Firing from a Floating Tank, by Col N. Yezhov	150
B. Firing from Crossing Equipment, by Col S. Prokhorov	156
C. On a Mirror Miniature Firing Range, by Lt Col K. Sinitsyn	163
CRITIQUE AND BIBLIOGRAPHY	
A. Surprise in Combat, by Col S. Tsyra and Maj A. Moiseyev	168
PHYSICAL TRAINING AND SPORTS	
A. Teaching a Soldier How to Swim, by Col N. Bul'on	173

Available From ACSI J-0431

ZHURNAL ANALITI-
CHESKOI KHIMII
EDITORIAL BOARD

I. P. Alimarin
(Editor-in-Chief)
A. K. Babko
A. I. Busev
(Secretary)
P. N. Palei
Z. F. Shakhova
I. V. Tananaev
A. P. Terent'ev
A. P. Vinogradov
Yu. A. Zolotov

JOURNAL OF ANALYTICAL CHEMISTRY OF THE USSR

A translation of *ZHURNAL ANALITICHESKOI KHIMII*,
a publication of the Academy of Sciences of the USSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING
CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 20, Number 11

November, 1965

CONTENTS

	RUSS. PAGE	PAGE
Extraction of Reduced Phosphomolybdic Acid with Oxygen-Containing Solvents — V. I. Klitina, F. P. Sudakov, and I. P. Alimarin.	1197	1145
Extraction of Indium 8-Hydroxyquinolate — Yu. A. Zolotov and V. G. Lambrev.	1204	1153
The Use of Complexon III (Disodium Ethylenediaminetetracetate — EDTA) for the Radiometric Determination of Traces of Metals by Means of Electrophoresis — V. Kn'kikh and I. Stary.	1210	1160
Potentiometric Titration in Anhydrous Acetic Acid by Means of an Ion Exchange Membrane Electrode — A. V. Gordievskii, É. L. Filippov, V. S. Shterman, and V. V. Trizno.	1214	1164
A Study of Hydroquinone Oxidation — E. M. Strel'tsova and V. I. Petrashen'.	1218	1169
A Study of the Passage of Elements from Oxide Mixtures by the Reabsorption Method — K. V. Dubovik and M. M. Pavlyuchenko.	1222	1174
The Two-Standards Method for Eliminating Systematic Errors During Measurement of Isotopic Composition on a Mass-Spectrometer — V. I. Ustinov, É. M. Galimov, and V. A. Grinenko.	1227	1180
Separation of Microamounts of Calcium from Barium, Strontium, and Magnesium by Precipitation — I. A. Tarkovskaya and F. P. Gorbenko.	1231	1185
Gravimetric Methods for Determining Magnesium, Barium, Zinc, Manganese, Cobalt, and Nickel by Means of Brilliant Yellow — A. L. Cherkasov and Yu. V. Pushinov.	1237	1191
A Study of the Effect of Oxygen on the Reduction of Cadmium Ions by an Oscillopolarographic Method — V. M. Ropot and E. G. Chikrysova.	1241	1196
Spectrophotometric Determination of Mercury as an Impurity in Selenium by Means of 1,5-di-(β -naphthyl)-thiocarbazon — V. G. Tiptsova, A. M. Andreichuk, and L. A. Bashanova.	1245	1200
A Chemico-Spectrographic Method for Determining Microamounts of Indium in Plant Liquors — T. P. Taskaeva and É. E. Vainshtein.	1249	1204
Some β -Mercaptoketones as Analytical Reagents. Extraction Photometric Determination of Palladium by Means of β -Mercapto- β -Phenylpropylphenone — A. I. Busev and D. Kh. Vin'.	1253	1208

(Continued)

Annual Subscription: \$135

Single Issue: \$50

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever without permission of the publisher. Permission may be obtained from Consultants Bureau, A Division of Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011, U.S.A.

CONTENTS (continued)

	PAGE	RUSS. PAGE
Determination of Hydrogen in Lithium — V. I. Malyshev, Z. M. Turovseva, and N. F. Litvinova.	1258	1214
Complexometric Methods for Determining Aluminum (A Review) — V. I. Tikhonov.	1263	1219
Sodium Boron Hydride in Organic Analysis. Communication 2. Sugar Analysis — A. P. Terent'ev and N. S. Novikova.	1269	1226
Polarographic Determination of Hexachlorobutadiene — Yu. S. Lyalikov and A. S. Solonar'.	1271	1228
Polarographic and Acidimetric Determination of N-Vinylpyrrolidone by the Mercuric Acetate Method — V. D. Bezugiyi and Yu. P. Ponomarev.	1274	1231
An Internal-Standard Method for the Quantitative Infrared Determination of 7-Aminobenzoic Acid in 9-Aminopelargonic Acid — L. A. Titova and M. G. Bel'skaya.	1278	1235
A Polarographic Study of 2-Phenylindanedione-1,3 — Ya. P. Stradyn', L. K. Tutane, and G. Ya. Vanag.	1281	1239
BRIEF COMMUNICATIONS		
Flame Photometric Determination of the Alkali Metals — E. D. Prudnikov.	1238	1248
A Gravimetric Method for Determining Large Amounts of Niobium and Tungsten in Each Other's Presence — A. Ya. Sheskol'skaya.	1291	1250
The Use of Divalent Chromium for Determining Microamounts of Antimony in Solders — L. R. Narushkyavichyus and R. M. Kazlauskas.	1293	1252
A Rapid Method for Determining Free Amorphous Silica in Clay — A. P. Kreshkov, A. N. Chivikova, and A. A. Zagorovskaya.	1295	1253
Determination of Diphenic and Phthalic Acids in Mixtures Obtained During Phenanthrene Oxidation — V. K. Kondratov, N. D. Rus'yanova, V. G. Koksharov, and G. F. Belyaeva.	1297	1255
Determination of Chloroprene in Air — M. D. Babina.	1300	1257
CRITICISM AND BIBLIOGRAPHY		
N. A. Filipova. Phase Analysis of Nonferrous Metal Ores and Their Processed Products — A. I. Busev.	1303	1260
H. A. Liebhafsky, G. G. Pfeiffer, E. G. Winslow, and P. D. Zeman. Use of X-ray Absorption and Emission — E. E. Vainshtein.	1305	1261
Atomic Absorption Analysis (Review). Analytical Methods for Chemical Reagents and Preparations, No. 10 — N. I. Tarasovich.	1306	1262
New Books.	1307	1263
Dmitrii Ivanovich Ryabchikov (Obituary).	1308	1264
CHRONICLES		
The Ninth Mendeleev Congress on General and Applied Chemistry — B. I. Nabivanets.	1310	1266
The First International Symposium on Oscillometry — V. A. Zarinskii.	1312	1266

The Russian press date (podpisano k pechati) of this issue was 10/22/1965.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Consultants Bureau

ZHURNAL ANALITI-
CHESKOI KHIMII
EDITORIAL BOARD

I. P. Alimarin
(Editor-in-Chief)
A. K. Babko
A. I. Busev
(Secretary)
P. N. Palei
Z. F. Shakhova
I. V. Tananaev
A. P. Terent'ev
A. P. Vinogradov
Yu. A. Zolotov

JOURNAL OF
ANALYTICAL
CHEMISTRY
OF THE USSR

A translation of ZHURNAL ANALITICHESKOI KHIMII,
a publication of the Academy of Sciences of the USSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING
CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 20, Number 12

December, 1965

CONTENTS

	RUSS. PAGE	PAGE
Rational Compilation of Analytical Procedures. Design of Procedures for Photometric Determinations—L. P. Adamovich	1317	1273
Coefficients for Amalgam Polarography with Accumulation under Standard Conditions—M. S. Zakharov and A. G. Stromberg	1323	1279
Spectrochemical Determination of Gold in Silicate Rocks and Minerals—N. T. Voskresenskaya, N. F. Zvereva, and L. L. Rivkina	1331	1288
A Spectrophotometric Study of Lumogallion and its Complex with Gallium—V. D. Salikhov and M. Z. Yampolskii	1340	1299
Concentration of Materials in Polarographic Analysis. Communication 6. Thallium Determination—Kh. Z. Brainina and N. K. Kiva	1346	1306
A Spectrophotometric Study of some Bisazo Derivatives of Chromotropic Acid and their Reactions with Scandium Subgroup Metal Ions—A. I. Chernozov and N. M. Alykov	1351	1312
A Chronopotentiometric Method for Determining Microconcentrations of Univalent Thallium after Electrolytic Accumulation on a Rotating Disc Platinum Electrode—A. N. Duronin and O. L. Kabanova	1358	1321
Quantitative Determination of Titanium in Organic Titanium and Organic Titanium Silicon Compounds—A. P. Kreshov, L. V. Myshlyayev, E. A. Kucharshev, and T. G. Shatunova	1362	1325
An Express Luminescent Method for Determining Lead—E. A. Bozhevlov'nov and E. A. Solov'ev	1366	1330
Photometric Determination of Neptunium by means of Xylenol Orange—N. P. Ermolaev, G. S. Kovalenko, N. N. Krot, and V. I. Biokhin	1371	1336
The Solubility of Cobalt Diantiprylmethane Thiocyanate and Conditions for Obtaining Analytical Concentrates of Cobalt—A. K. Babko and V. Danilova	1375	1341
The Interaction between Cobalt Ions and S-Mercaptohydrocinnamic Acid—A. I. Busev and D. Kh. Vin'	1380	1347
Determination of Nitrogen and Oxygen in UF ₆ —Z. M. Turovtseva, V. I. Malyshov, and A. S. Noskov	1385	1353

Annual Subscription: \$135

Single Issue: \$30

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever without permission of the publisher. Permission may be obtained from Consultants Bureau, A Division of Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011, U.S.A.

ЖУРНАЛ АНАЛИТИЧЕСКОЙ ХИМИИ
Vol XX, No 12, 1965

CONTENTS (continued)

	PAGE	RUSS. PAGE
An Impulse Heating Method for the Rapid Determination of Oxygen in Refractory Materials and Metals. Communication 1. Description of the Method. Some Examples of its Use -A. M. Vasserman and Z. M. Turovseva	1390	1359
Determination of the Form in which Tellurium is Present in Copper Electrolytic Sludge -Z. I. Gromakova, E. A. Buketova, M. Zh. Makhmetov, and A. M. Dymov	1395	1364
BRIEF COMMUNICATIONS		
Separation and Determination of Gallium, Indium, Cadmium, and Zinc by Paper Partition Chromatography-N. L. Olenovich, S. N. Ufimseva, and M. M. Rogachko	1399	1368
Atomic Absorption Determination of Lead in Biological Fluids-V. A. Razumov, T. P. Utkina, and T. K. Aidarov	1402	1371
Determination of Terpin Hydrate by Oxidation-V. G. Gurevich and A. D. Gol'tman	1405	1373
The Use of Thin Layer Chromatography for Analyzing Mixtures of High-Boiling Alcohols Formed during Isoprene Synthesis-E. O. Turgel' and E. V. Kuznetsova	1407	1374
CRITICISM AND BIBLIOGRAPHY		
S. I. Ginzburg, K. A. Gladyshevskaya, N. A. Ezerskaya, O. M. Ivonina, I. V. Prokof'eva, N. V. Fedorchenko, and A. M. Fedorova. The Chemical Analysis of the Platinum Metals and Gold-Reviewed by V. I. Shlenskaya	1411	1379
New Books	1413	1380
Yulii Abelevich Chernikhov	1414	1381
INDEX		
Author Index, Volume 20, 1965	1417	
Tables of Contents, Volume 20, 1965	1421	

The Russian press date (podpisano k pechatu) of this issue was 11/27/1965
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Consultants Bureau

ЖУРНАЛ СТРУКТУРНОГО АНАЛИЗА
EDITORIAL BOARD

S. B. Zhurav
N. V. Zolov
L. A. Blyumenfeld
G. S. Bokii
S. V. Derlov
Yu. N. Izrael
A. V. Nikol'sev
A. V. Babinov
O. Ya. Samoilov

Yu. T. Struchkov
(Secretary)
Yu. K. Sytin
(Assistant Editor)
V. V. Voevodskii
(Editor-in-Chief)
M. V. Vol'kenshtein
G. M. Zhidomirov

JOURNAL OF
STRUCTURAL
CHEMISTRY

A translation of *ЖУРНАЛ СТРУКТУРНОГО АНАЛИЗА*,
a publication of the Academy of Sciences of the USSR

© 1966 CONSULTANTS BUREAU, A DIVISION OF PLENUM PUBLISHING
CORPORATION, 227 West 17th Street, New York, N. Y. 10011

Volume 6, Number 6

November-December, 1965

CONTENTS

	RUSS. PAGE	PAGE
An Electron Diffraction Study of the Structure of the Molecule of 1,3,4,4-Tetrachloro-1,4-digermanacyclohexadiene-2,5 - L. V. Vil'kov and V. S. Mastryukov	781	811
Structure and Thermodynamic Properties of Water. 1. Application of the Samoilov Model to Calculation of the Free Energy of Water - Yu. V. Gurikov	786	817
Spectroscopic Study of the Spatial Configuration of Dialkylcyclohexanes. II. Spatial Configuration of cis-1,4-Di-tert-butylcyclohexane - G. N. Zhizhin, Kh. E. Sterin, N. I. Tyun'kina, and A. L. Liberman	793	825
Spectra and Structure of Salts of Organophosphorus Compounds. Salts Containing the Diphosphinomethylene Group - E. I. Matrosov	799	832
Infrared Spectra of the Products of the Reaction of Nd_2O_3 with Water - V. B. Glushkova and D. N. Suglobov	804	837
Formation and Decomposition of Paramagnetic Complexes on Interaction of Oxygen with Polycrystalline Magnesium Phthalocyanine - E. G. Sharoyan, N. N. Tikhomirova, and L. A. Blyumenfeld	809	843
Production of the Oxyfluorides of Holmium, Erbium, and Ytterbium and Study of Their Crystal-Chemical Properties - N. V. Podbereskaya, L. R. Batsanova, and L. S. Egorova	815	850
Magnetic Susceptibilities of Some Copper (II) Carboxylates - V. V. Zelentsov	819	854
Structure and Properties of Titanium Chloride Complexes with Organosulfur Compounds - E. N. Kharlamova and E. N. Gur'yanova	821	859
X-Ray Structure Investigation of the β -Phase in the Zinc-Antimony System - G. B. Bokii and R. I. Klevtsova	830	856
The Crystal Structure of the Monoclinic Modification of $SrH_2O_4 \cdot 4H_2O$, $Sr(OH)_4 \cdot 5H_2O$ - V. B. Kravchenko	835	872
Structures of Double Diazonium Salt Crystals. 1. Structure of the Double Salt of Peric Chloride and o-Methoxyphenyl Diazonium Chloride - T. N. Polynova, N. G. Bokii, and M. A. Porai-Koshits	841	878
Some Problems in Conformation Analysis of Aromatic Compounds - V. G. Dashevskii	850	888
Calculation of the ρ Factors of Aromatic Metal Complexes within the Framework of the Molecular Orbital Method - S. D. German and M. E. Dyatkina	859	898

(Continued)

Available From Consultants Bureau

Annual Subscription: \$95

Single Issue: \$30

Single Article: \$15

All rights reserved. No article contained herein may be reproduced for any purpose whatsoever
without permission of the publisher. Permission may be obtained from Consultants Bureau, a
Division of, Plenum Publishing Corporation, 227 West 17th Street, New York, N. Y. 10011, U.S.A.

ЖУРНАЛ СТРУКТУРНОЙ ХИМИИ
Vol VI, No 6, Nov-Dec 1965

RUSS.
PAGE PAGE

Methods for Calculations in Quantum Chemistry. V. "Huckel" Program for Machine Calculation of the Electronic Structure of Molecules - Yu. A. Kruglyak, B. N. Pshenichnyi, V. S. Kvakush, and Yu. I. Gorlov	865	904
BRIEF COMMUNICATIONS		
A Study of the Spontaneous Diffusion of Water in Aqueous Solutions of Electrolytes. III. The Hydration of ClO_4^- and NH_4^+ Ions - M. I. Emel'yanov and A. Sh. Agishev . . .	870	909
Clathrates Formed by Gases in Ice - A. Yu. Namiot and É. B. Bukhgalter	873	911
Rotation Isomerism in N-Nitro-N-alkylcarbamates - V. D. Nemirovskii, G. A. Gladkovskii, and S. S. Skorokhodov	875	913
Nuclear Magnetic Resonance Spectra of F^{19} in Some Diorganodifluorosilanes - V. A. Pestunovich, A. N. Egorochkin, M. G. Voronkov, V. F. Mironov, and Yu. I. Skorik	878	915
Nuclear Quadrupole Resonance of Cl^{35} and Br^{79} in Polychloro- and Polybromomethanes - G. K. Semin	880	916
Investigation of Anhydrous Uranyl Salts UO_2EO_4 (E = S, Cr, Mo, W) - L. M. Kovba, V. K. Trunov, and A. I. Grigor'ev	883	919
The Structure of Bis-acetylferrocenyl - Z. L. Kaluski and Yu. T. Struchkov	885	921
Preliminary Results on the Crystal Structure of 1,4,5,8-Tetrabromonaphthalene - M. A. Davydova and Yu. T. Struchkov	887	922
X-Ray Data on Some Derivatives of Borene and Neoborene - Yu. T. Struchkov, V. I. Stanko, A. I. Klimova, and G. S. Kon'kova	888	923
Electron Density Series Used in Studying the Structure of Solid Solutions - N. Ya. Kolosov . .	891	926
Structure of Bridge Complexes of Cobalt (III). I. Application of the Crystal Field Method to Two-Bridge Complexes of Cobalt (III) - E. Girul'ski and W. Wojciechowski	893	928
Calculation of the Diamagnetic Susceptibility of Methane with the Method of Vector Potential Variation - I. P. Doroshkevich and T. K. Rebane	897	931
Calculations of the Exponential Factor of 3d- and 4d-Orbitals with Slater-Condon Parameters - O. P. Charkin and M. E. Dyatkina	900	934
Statistical Theory Applied to a Finite Ionic Crystal - A. A. Medvinskii	903	936
INDEX		
Author Index, Volume 6, 1965	909	
Tables of Contents, Volume 6, 1965.	912	

The Russian press date (podpisano k pechatii) of this issue was 12/13/1965.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

Available From Consultants Bureau

INDEX TO AUTHORS

This index does not include authors listed in the cover-to-cover tables of contents.

- A -

Aaserud, Kjel	117	Andreyev, I.	11
Abas-Zade, A. K.	126	Andreyev, Nikola	22
Abelin, R. C.	107	Andreyeva, I.	14
Ablov, A. V.	78	Andriyashev, A. P.	67
Abramov, K.	16	Angek, H. G.	73
Abramtsev, B.	16	Angeli, M.	99
Abramyan, Ye, A.	128	Angeloff, G.	101
Abrikosova, M. A.	66	Aniskina, N. A.	82
Acuto, C.	75	Anokhin, P. K.	69
Adol'fovich, Georgiy	85	Anselmo, Jose	77
Adrian, Janusz	135	Antonelli, R.	71
Agabekov, N. G.	95	Antonov, Nikolay	13
Ageyev, V.	126	Antonov, S.	6, 9
Ahmed, Makram		Anuchin, M.	19
Mohammad	46	Apsalyamova, Z. G.	82
Ahrens, Hans	114, 123, 130	Arakelyan, A.	7
Akimenko, A. D.	93	Areteanu, H.	29
Aksentijevic, Sima	31	Aristova, T. F.	19
Akulina, D. K.	119	Arkhangel'skiy, Yu.	16
Alava, T. E.	113	Arkhangel'skiy, Yu. B.	41, 85
Albano, A.	75	Armengaud,	72
Alegrett, Raul	54	Aronov, B. M.	59
Alekhin, D.	4	Arsen'ev, A. A.	128
Aleksandrov, S. N.	67	Artsimovich, L.	92
Aleksandrov, Yu. N.	118	Artsimovich, L. A.	64
Aleksenko, Yu. N.	120	Artyushin, A.	4
Alekseyev, B.	21	Arutyunov, V.	5
Alekseyev, B. A.	120	Arutyunyan, G.	8
Alekseyev, V.	15	Asanova, V. K.	60
Alekseyevskiy, Ye.	3	Aschoff, J.	74
Aleksic, Milan	31	Aseyev, V.	69
Alexundrov, Yu. A.	120	Ashimbayev, T.	7
Alexeyeskiy, N. E.	124	Aslanov, S. K.	133
Aliushin, M. T.	68	Astheimer, L.	79
al-Khawali, Lufti	46	Atanasiu, G.	85
al-Khuly, Latfy	46, 47	Aujeszy, L.	62
Allakhverdov, M.	3	Auriol, Andre	129
Alles, H.	123	Avarbe, R. G.	96
Al-Mashnah, Kamal	45	Ayagorn, M. A.	118
Al-Qadhi, Muhammad		Aymorich, Ramon	54
Fathi	47	Azevedo, Carlos	57
Al-Salmi, Hafez	47		
Altmann, W.	114	- B -	
Alvarez, Rolando	54	Babenko, Georgiy	
Anade, Emilio Sarzi	38	Aksent'yevich	66
Ambartsumov, Ye.	13	Baburski, Georgi	22
Andrei, Stefan	51	Babyeva, B. K.	77
Andreoletti, J.	90	Babykina, I. M.	97
		Bachelis, R. D.	108

Bach-Toan-Vinh	70	Benoffi, U.	105
Baciu, S.	29	Benzinger, W.	114
Badilian, Berdj	129, 130	Berete, Fode	44
Bakayev, A.	4	Bereza, V.	95
Bakhman, N. N.	125	Berezin, A. S.	87
Baksheyev, S.	10	Berg, A.	66
Balabin, I. V.	110	Berg, A. I.	21
Balakhanov,	79	Berger, Wolfgang	24
Balat'yev, P. K.	6	Bergeron, Regis	38
Balbekov, S.	8	Bergerud, Esther	40
Baldo, Pietro	129	Bergman, G. A.	107, 117
Balogh, Gyorgy	25	Bergmeyer, H. U.	79
Balus, L.	77	Berlin, A. A.	78
Bao Dinh Giang	51	Bermant, M. A.	86
Barabanov, L.	1	Bernar, Thierry Alleau	122
Barabanov, V. F.	83	Bernart, E.	98
Barash, N. I.	10	Bernatzik, Hugo Adolf	52
Bardybakhin, A. P.	6	Berner, A.	104
Barnaba, P.	80	Bernshteyn, M. L.	128
Baro, R.	113	Bertin, Jacques	84
Barskiy, L. A.	86	Bertone, Franco	38, 50
Bartelheimer, H.	74	Besschetnov, I.	15
Barthel, J.	101	Besson, R.	130
Barysheva, N. M.	110	Bez, Von H.	104
Bascands, J.	71	Bezlepkin, B.	15
Bashlay, Z. I.	78	Bezrukov, V.	12
Basunti, V.	76	Bibishev, V.	60
Bathow, G.	123	Bidermana, V. L.	110
Batov, Ivan	2	Bielawski, S.	91
Batsanov, S. S.	125	Bielenberg, Tore-Jarl	51
Bauer, R.	74	Bighi, Corrado	131
Baum, F. A.	125	Bindernagel, I.	101
Baumgarten, P.	103	Binelli, Gian Carlo	38
Bayatyan, G. L.	121	Binenfeld, Regina	31
Baydak, L.	6	Biraben, Jean-Noel	71
Bayraktar, G.	77	Birman, A.	7
Bazhdarov, Dimitur	22	Birna, Ion	36
Becker, C. H.	73	Birsan, G.	28
Becker, E.	116	Birzer, F.	100
Beer, Manfred R.	35	Bitunov, V. V.	11
Beghi, M.	113	Blaha, F.	123
Begrois, Maurice	129	Blahnik, Jaroslav	23
Bekhtereva, N. P.	69	Blanc,	72
Bekric, Vitomir	30	Blanc, R.	72, 133
Bekunova, S.	21	Blanco, M. Palacio	58
Belavin, N. F.	65, 95	Bleilob, F.	101
Belbeoch, B.	123	Bliznakov, Petko	32
Belkin, I. M.	16	Bloch, J.	123
Bol'kovich, V. M.	66	Blokland, P.	34
Bellelli, L.	76	Blotto, A.	116
Bellier,	113	Bobnev, N.	19
Belokon', N. I.	133	Bobrowski, L.	124
Belousov, V. V.	83	Bobrykin, Yu. A.	110
Benes, Vaclav	112	Bobylova, V. R.	67
Benkler, Raphi	46	Bocek, V.	129

Bocherov, A. A.	110
Bogdanov, G. S.	95
Bogdanov, L.	64
Bogoroditski, N.	23
Bogush, Ye.	14
Boguslavskiy, L. I.	78
Boiron, M.	70
Bojkovski, Marija	37
Boldyrev, V. G.	62
Bollenrath, F.	100, 104
Bondarenko, Ye. L.	11
Borev, L. I.	68
Borisoglebskiy, B. N.	95
Borisov, A. A.	125
Borisovskiy, E. S.	111
Borkowski, B.	80
Born, H.	101
Born, K.	100
Bostanaru, V.	76
Botokeky, Laurent	44
Botzan, M.	29
Bousmanne, L.	113
Bouttes, J.	62
Boykov, G. P.	126
Boytsov, V. V.	6
Bozanic, Gojko	31
Bracci, R.	75
Bradac, Docent Zdenek	32
Braffort, P.	91
Braginskiy, L.	12
Bramslev, G.	119
Brandes, S.	123
Brandicourt, Gilles	123
Brandt, B. B.	126
Braudo, S. I.	108
Bravet, Rogelio Luis	57
Brebant, C.	127
Brekhov, K. I.	5
Breton, Tomas	58
Brezoianu, Dumitru	33
Brillakis, Antonis	46
Brisbois, Jacques	122, 123
Brockelmann, C. H. J.	74
Brossard, J. P.	130
Broube, V. L.	128
Brozzo, P.	105
Brune, Jean-Georges	122
Brusilovskiy, L. P.	8
Brygoo, E. R.	70
Brzozowski, Franciszek	26, 27
Bubnov, V. P.	128
Buckle, Charlotte	103
Bui Bao Van	48
Bujak, F.	113

Bulgakov, A.	20
Bulic, Andjica	31
Bulinskaya, N. A.	61
Buljevac, Mladen	30
Bulle, G.	115
Buntrock, H.	63
Burkov, V. N.	68
Burlachuk, F.	17
Burova, L. Ye.	65
Busch, G.	92
Bushmin, A.	19
Buzylev, I.	15
Buzzelli, Giovanni	
Emilio	131
Bychkovskiy, A.	7
Bykov, A.	9
Bykov, V. V.	82
Byrka, G.	19
Byzov, A. L.	64

- C -

Cabrera, Guillermo	57
Calneanu, Pop	29
Camara, Damantang	41
Canarache, A.	29
Caneparo, Marco	38
Cara, Zef	22
Cardenas, Florangel	55
Carriere, M. R.	113
Casco, M. G.	77
Caseau, Yvette	109
Castaldo, V.	76
Castel, P.	99
Castro, Gustavo	58
Castro, Nelson Notario	58
Cati, Amalia	28
Catic, Branko	31
Caubet, P.	72
Cejnar, V.	34
Celasco, M.	105
Cerny, V.	98
Cevoli, V.	105
Chang, Chae-sok	53
Chang, Chao	97
Chang, Cheng-ts'e	97
Chang, Chong-hwan	53
Chang, Hung-ch'uan	89
Chao, Tzu-yang	50
Chaykin, F.	1
Chegrinets, A.	15
Ch'en, Chun-yung	128
Chen, Nao-yu	98
Cherepashenets, R. G.	13

Cherepovskiy, V. F.	8
Cherilin, Yu. F.	121
Cherkasov, V. F.	66
Cherniakov, I. N.	66
Chernichenko, P. M.	78
Chernyavskiy, V.	12
Chernyayev, A.	14
Chernysheva, M. I.	69
Chertkov, L.	12
Chervinskiy, R. V.	88
Cherysheva, M. I.	69
Chi, Tac-Gia	53
Chiang, Po-fan	84
Chilingaryan, Yu. S.	81
Ching, Wan-lin	84
Chirkin, N.	3
Chiru, I.	28
Chiu, Tsu-wen	121
Chmielewski, Jan	76
Ch'oe, Chung-guk	48
Chojnacka, Helena	27
Chong, Tai-gun	51, 53
Chorvat, K.	122
Chou, Nung-hsiang	97
Chretien, Andre	129
Chu, K'o-chen	47
Chukhno, A.	4
Chumachenko, Z. N.	61
Cicchitto, Fabrizio	38

Ciolan, Ioan L.	28
Cisic, Jelena	36
Claude, Georges	114
Coenen, W.	104
Cogliati, G.	124
Coppola, Anniello	40
Cordasevschi, A.	29
Coriou, H.	98
Corlateanu, V.	134
Correa, Arnaldo	58
Courbon, J.	122
Cramer, F.	73
Cupr, V.	102

- D -

Dadvisard, M.	39
Daemen, R.	99
Danil'chenko, Ye. P.	65
Dan'kov, Yu. I.	65
Darishev, M.	7
Darmstadt, Otto	
Jungbluth	131
Darras, R.	79

Dasoyan, M. A.	78
Daversin, Bernadette	99
Davitaya, F. F.	82
Davydov, I.	9
Davydov, N. G.	94
de Almeida, Polibio	
Fernando Amaro Valente	44
Debrie, Francine	118
de Brisson	129
Debski, Kazimierz	85
De Carli, F.	105
Decraene, Philippe	42
Defranoux, J. M.	98
Degre, S.	70
Degrois, Maurice	129, 130
Degtyareva, E. V.	111
de Haller, P.	123
Dejonghe, P.	123
Dekhtyar', L. I.	92
de la Fuente, Jose	56
Delaye, Th. J.	43
Delendi, N.	75
de l'Etang, Matthey	113
Delle, W.	102
Delmotte, A.	70
De Luca, G.	75
Demidova, K. D.	65
Deniges, G.	71
Denisov, K. N.	86, 87
Dereshkevich, Yu.	10
Deribas, A. A.	125
de Rose, Giuseppe	38
Dervisbegovic, Muhamed	37
Desbazeille, P.	39
de Souza, Manuel	55
Desvallees, M.	113
Desyatov, V.	5
Detert, K.	100
Devillers, C.	122, 134
Devis, Raymond	70
Devyatnin, V. A.	65
D'iachenko, V. F.	126
Diallouau, El Hadj	
Saifoulaye	41
Diana, M.	109
Diarra, Oumar Baba	44
Diestel, P.	115
Dimitrescu, C.	29
Dimitrov, Atanas	32
Dinkic, Dusan	31
Djurkovic, Branko	37
Dmitrieva, G. P.	96
Dmochowski, Marian	27
Do, Claude	130

Dobrikov, K. F.	134
Dobrov, G.	14
Dolgov, A. P.	68
Dolnikov, G.	16
Dolzhenko, F. Ye.	97
Dominik, T.	61
Donimirski, Andrzej	26
Donneux, G.	99
Dovgopol, V. I.	95
Dovijanic, Predrag	37
Draganov, M.	73
Draganov, Mincho	35
Dragoti, Shinasi	22
Draskovic, Milijan	37
Dremin, A. N.	125
Driatskiy, V. M.	18
Drugaleva, Z.	2
Dubois, F.	113
Dubovskoy, B. V.	81
Dubrovian, A. V.	124
Duco, Jacques	122
Dudnik, Andreyeva	127
Dudot, B.	45
Dufay, Jean	84
Duflot, J.	99
Dugersuren, B.	48
Dugersuren, Zh.	8
Dumas, M.	113
Dumont, M.	72
Dunillowicz, Witold	27
Duong Hong Dat,	49
Durgaryan, I. S.	86
Durnovtsev, V. Ya.	109
Duroux, A.	72
Dvernyakov, V. S.	107
Dyachenko, P. P.	121
Dyukov, V.	14
Dzangaliyev, A. D.	64
Dzhelepov, V. P.	127

- E -

Ebert, H.	131
Efendiyev, G. Kh.	77
Egerland, Helmut	24
Egorov, V. I.	69
Ehrig, Gunter	24
El-bab, Hassan Fath	47
Elsing, L.	103
Emdin, G.	1
Enderlein, R.	131
Engelhardt, U.	101
Engelhardt, W.	114
Engfeldt, Lars-Goeran	38

Eriksson, Folke	135
Ermolayev, I. I.	67
Erofeyev, A. A.	126
Evseyenko, E. S.	6
Ewald, Georg	25
Exner, H. E.	103
Eylens, R.	100

- F -

Fabelinskiy, I. L.	124
Faehnrich, H. J.	91
Fagone, Virgilio	38
Falkenburg, G.	101
Fedete, Janos	25
Fedorov, Ye.	82
Fedorov, Ye. K.	82
Fedoseyeva, I. K.	126
Felgas, Helio	39, 44
Felgas, Helio August	
Esteves	44
Feng, Wan-yu,	90
Fernandes, Calazans	54
Fernandez, Alvaro	114
Ferorova, N. E.	94
Fesenko, V. K.	133
Fiebig, E.	91
Figuerras, Miguel	
Alejandro	57
Files, Teobaldo	43
Filipov, Grisha	22
Filippov, A.	9
Filippov, F.	19
Filippov, V.	1
Filippovich, S. I.	64
Filip'yev, Yu. A.	68
Findeison, W.	73
Fink, K.	100
Finkel'shteyn, Ya. S.	132
Fiorello, Dino	38
Firsova, T. P.	78
Fischer, F. A.	90
Fischer, H.	74
Fischer, W.	95
Fischmister, H. F.	103
Fleischhauer, G.	123
Flessner, H.	115
Fokin, A. V.	79
Fokin, M. N.	95
Fonta, A.	71
Fonteyne, R.	129
Fournier, J.	70
Fournier, Jacques	71
Franck, A.	70

Frank, W.	80
Freiberg, G.	25
Freres, Perret	117
Fridlyander, I. N.	92
Frolik, J.	111
Froment, M.	99
Frostling, H.	80
Fu, Chi-chung	90
Fuchs, P.	48
Fugmann, W.	107
Fujii, T.	116
Fukui, S.	107
Funke, P.	115
Furman, M. S.	126
Fusov, S. P.	92

- G -

Gaffron, Hans-Joachim	34
Gaina, N.	113
Galabru, Paul	113
Galaj, Dyzma	27
Galaktionov, Yu. V.	121
Galanova, Z. S.	127
Galaydin, G.	7
Galemin, I. M.	110
Galili, Yosef	46
Gallant, H.	130
Galle, P.	71
Galleri, G.	124
Ganichev, I.	4
Ganopol'skiy, V.	4
Gaponenko, G.	2
Garbalyauskas, Ch. A.	124
Garbuzov, V. N.	91
Gartsman, B. M.	10
Gauthier, Robert	43
Gavrilov, A. N.	86
Gavrilov, F. F.	85
Gavrilov, I. F.	8
Gavrish, V.	18
Gayevs'kyi, A. M.	21
Gayvoronskiy, I. I.	62
Gazenko, O.	65
Geerling, H.	73
Gefter, S. P.	67
Geodakyan, V.	66
Georgacopulo, P.	75
Gerard-Libois, J.	40
Gerloff, Fritz Joachim	34
Gerloff, J.	34
Germanov, H. A.	109
Gerrits, J. C.	69
Gerth, G.	62
Geyd, Yu.	60

Ghetau, V.	36
Gintoft, R. I.	91
Ginzburg, E. I.	61
Ginzburg, Ya. Yu.	88
Gjoni, Xhelil	32
Gladkovskiy, V. A.	94
Glaser, Walter	118
Glaubit, F.	116
Glezerman, G.	14
Globenko, I. G.	124
Glos, M.	25
Glukharev, A. G.	63
Glukhen'kiy, T. T.	68
Gnonlonfoun, Alexis	44
Gobbi, U.	76
Godard, S.	119
Gol'danskiy, V. I.	78
Gol'din, S. V.	82
Gol'dina, I.	11
Golikov, K.	9
Gombas, P.	130
Goncharenko, A. M.	124
Goncharenko, G. K.	65
Goncharov, V. V.	121
Goncharova, R. F.	69
Gonen, Binyamin	46
Gonin, G. B.	83
Gorbumov, E. P.	119
Gorelova, N. V.	64
Gorfan, K.	12
Gorin, E. A.	109
Gorizontov, B.	11
Gorl, E.	100
Gorlov, G. V.	120
Gorodnicheva, O. P.	83
Gorokh, A. V.	110
Gorynin, I. V.	96
Gosteyeva, M. N.	83
Goue, E.	113
Gradetskiy, V. G.	111
Graille, Ndalla	42
Gammel, R.	90
Grass, E.	115
Gredzhuk, I. F.	109
Gribkov, V. V.	60
Grieder, H.	74
Grigorescu, C.	76
Grinyuk, T. I.	65
Grob, Franz	59
Grochulski, Janusz	26
Gromko, A. I.	69
Grossi, Franco	76
Grozdanic, Pukovnik	
Krato	34
Grubbe, Peter	43

Gruener, J. M.	73
Grumert, Z.	73
Grushin, V. V.	109
Gubanov, I. A.	67
Gubina, Ye. A.	69
Gude, Z. H.	68
Guerra, Antonio	
Teixeira	39
Guidi, A.	114
Guillain, Robert	50
Guillard, J.	99
Guillermund, J.	72
Gularyan, K. K.	93
Gulenko, G. V.	115
Gulyayev, A. S.	95
Gulyayev, B. B.	93
Gulyga, A.	14
Guma, Jose Gabriel	54, 55
Gupta, A. M.	98
Gurvich, F. G.	3
Gusev, A. M.	82
Gusev, B.	5
Gusev, N.	13
Gussak, D. A.	133
Gussak, L. A.	133
Gusyatinskiy, I. A.	119
Guthmann, K.	115
Guyen, K.C.	77
Guyon, Y.	113
Gyarmathy, Georg	92
Gyulai, Zoltan	26
Gyul'badamova, N. M.	67

- H -

Hacke, J.	91
Haikonen, M.	70
Hain, G.	114
Hajda, S.	73
Halbritter, Walter	25
Hamanoue, Kumao	133
Hammad, Khairy	46
Han, Yao-wen,	97
Hansel, H.	100
Hansen, Torben	135
Hanzl, Dragutin	31
Harasim, Eugeniusz	26
Harmatta, Janos	135
Hart, Armando	58
Hartmann, A.	133
Hartmann, G.	62
Hauk, B.	100
Hauk, V.	101
Haussler, Peter	131
Hautefeuille, M. P.	79

Hejsik, Frantisek	90
Helfrich, F.	114
Henon, J. P.	99
Heraut, J.	113
Herbert, J. J.	70
Herczynska, E.	132
Herrera, Manlio Lafont	58
Herrmann, U.	72
Heske, Gerhard	25
Hessel, Stephane	40
Heuer, Klaus	24
Hillert, M.	107
Hirose, Y.	117
Hirschberg, D.	91
Hocker, K. H.	104
Hoffmann, A.	100
Hoffmann, U.	100
Hogstedt, Christer	51
Hohne, W.	62
Holler, P.	102
Hollo, Lajos	26
Holz, G.	79
Holzmuller, A.	101
Hong, Chuong,	52
Hong, Sun-gwon,	52
Hong, Sung-p'yo	53
Hornbogen, E.	100
Horvath, Imre	75
Hospes, Miroslav	122
Hryniewicz, J.	27
Hsiao, Lin,	50
Hsieh, Chien-ch'ang	61, 84
Hsieh, Ch'un-p'ei	89
Huan, Cl.	39
Huber, Jakob	117
Hucka, M.	112
Huhnermann, H.	131
Hunek, Tadeusz	27
Husarek, Jan	27
Husni, Ahmed	47
Hussni, Ahmed	47
Hu, Tzu-Kuang,	61
Huu, Hanh	49
Hwang, Byong-wuk,	48
Hyrsl, V.	118

- I -

Iancu, A.	91
Ibarruri, Dolores*	20
Ikegami, Masao	116
Ikkala, A. J.	113
Iksanov, M.	7
Il'in, A. M.	89
Il'inskiy, G. V.	65

- K -

Il'inskiy, N.	8, 20
Ill, Marton	85
Imshennik, V. S.	126
Inge-Vechtomov, S. G.	67, 68
Inosov, V. L.	110
Ioffe, L.	11
Ionin, M. V.	127
Ioos, E.	104
Isaakian, I. G.	64
Ishida, Masami	85
Ishigure, Kenkichi	133
Ishizu, Y.	105
Ishmayev, S. N.	120
Istratova, O. T.	60
Ivakhenko, A. G.	65
Ivanciovici, M.	29
Ivanishcheva, N. P.	15
Ivanov, A.	1
Ivanov, E. G.	94
Ivanov, V.	9
Ivanov, Ye.	134
Ivanov, Ye. A.	128
Ivanov, Ye. G.	88
Ivanov, Yu.	16
Ivanovich, K. A.	20
Iwamiya, H.	106
Iyevlev, A.	4
Izotov, A. A.	82
Izrealson, Z. I.	68

- J -

Jaffray, Jean	90
Jahn, Heinrich	24
Jalade, Max	41
Janiche, W.	104
Janik, Josef	124
Jankovic, V.	30
Jeanmarie, L.	79
Jellicic, Mih. L.	31
Jely, Endre	26
Jentzsch, K. D.	72, 73
Jimenez, Antonio	
Nunez	56
Johansson, Tryggve	102
Jorgensen, Claus	
Ingemann	32
Jouan, A.	130
Jovanovic, D. S.	30
Julien, Claude	50
Jumah, Rabeh Lutfi	47
Jumdaan, Sh.	53
Jung, Else	25
Jungelaussen, H.	130
Jurquet, Jacques	38

Kaba, Mamady	41
Kabanov, V. A.	78
Kachurin, M.	21
Kadomtsev, B. B.	108
Kaftanyuk, Yu. A.	6
Kahan, Americo	77
Kai, T.	105
Kaiser, H.	72
Kakihana, Hidetake	124
Kakutani, T.	106
Kalinkina, Z. V.	65
Kalinovskiy, A.	63
Kalistratov, Vs.	18
Kallai, D'yula	14
Kallai, Gyula	33
Kallos, N.	36
Kalweit, G.	25
Kamanin, N.	134
Kaminski, Fr.	132
Kaminski, L.	100
Kaminskiy, N. V.	8
Kang, Chae-ye'ng,	52
Kang, Pyo'ng Mo,	52
Kanivets, N.	86
Kantor, V.	3
Kantorovich, L.	5
Kao, Hung,	49
Kapitsa, P. L.	125
Karagheorgis, Stathis	46
Karasek, E.	73
Karavayev, V.	20
Karayev, Z.	77
Kardos, Ibolya	26
Kargin, V. A.	78
Karol, I. L.	62
Karpman, V. L.	66
Karpov, V.	111
Karpukhin, V. I.	120
Kashkay, R. M.	82
Kasik, I.	98
Kato, H.	124
Kats, V. A.	89
Kaverzneva, E. D.	64
Kawai, Ch.	106
Kawai, M.	106
Kazakov, A. A.	93
Kazakov, D.	16
Kazakov, P.	2
Kazakova, V. V.	65
Keita, N'Famara	41
Keita, Fodeba	41
Keler, Vl.	21
Kenkovski, Dimitrije	34
Kertai, Kalman	26
Kevalev, D. A.	94

Khachaturov, T.	11
Khachaturov, V.	8
Khaled, Mansour	42
Khaletskiy, A. M.	63
Khao, B.	92
Khariton, I. Ye.	88
Kharitonov, V.	16
Khar'kov, E. I.	111
Kharlamov, B. P.	108
Khimichenko, N. V.	1
Kholodov, Yu. A.	68
Khorasanyan, G.	5
Khoroshilov, I.	59
Khrystov, Emil	23
Khromchenko, A.	19
Khrulev, V.	95
Khundanov, L. E.	63
Khvostov, V. I.	133
Kibenko, A. V.	108
Kibirev, S.	10
Kijkowska, R.	26
Kilyakov, A. M.	60
Kim Byong-je	53
Kim Chong-hoe,	48
Kim Kyun,	53
Kimura, A.	106
Kipnis, I. Kh.	61
Kirchberg, H.	103
Kirillov, F. A.	111
Kiselev, N. A.	64
Kishkin, S.	2
Kizewski, Piotr	26
Kleinhauer, Enno	73
Klemyshev, P.	12
Klimenko, B.	6
Klimov, A.	3, 9
Klimov, I.	20, 21
Kliuev, M. A.	63
Kloppel, K.	131
Klyukin, N. K.	82
Klyuyev, M. A.	65
Kment, V.	129
Knauschner, A.	103
Knorr, W.	104
Knyazov, A. S.	86
Kobale, M.	80
Kobelev, V. V.	110
Koblents-Mishke, G. I.	83
Koch, W.	104
Kochemasov, V.	20
Kochemasova, V. I.	89
Kochetkov, L.	11
Kocian, Jan	119
Kodrle, L.	112

Kogan, M.	20
Kogarko, S. M.	125
Kohda, M.	105
Kohl, F. W.	102
Kohl, H. K.	100
Kohn, A.	102
Kohn, H.	114
Koike, Sh.	106
Koike, Y.	105
Kojima, Y.	106
Kolganov, M.	19
Kol'man, E.	63
Kolobov, L.	20
Kolodziejczyk, Adam	117
Kolorz, A.	101
Kolybasov, V. M.	121
Komarov, A.	8
Komarov, V. A.	79
Komarova, N. E.	93
Komazuka, S.	105
Komel'kov, V. S.	125
Komissarov, V.	7
Komlev, A. A.	60
Komochkov, M. M.	120
Komyakhov, V.	13
Kondramenko, P. T.	67
Kondrashev, V.	17
Konev, E. V.	78
Konoplyanik, V.	18
Kong Nung-su	53
Kononenko, D. K.	11
Kononenko, V. G.	110
Konson, A.	7
Konstantinov, B. P.	134
Konstantinov, G. G.	125
Kontorov, D. S.	17
Kontra, Gyorgy	75
Kontur, G.	62
Kopineck, J.	103
Koppe, W.	101
Koppelman, Jan	102
Koprov, C. M.	81
Koptev, A.	10
Korbonskaya, Ya. I.	83
Korionov, V.	13
Kornalik, Frantisek	69
Kornev, V. P.	67
Korniyets, L.	4
Korniyets, L. R.	13
Korobeynikov, M.	15
Korol', V. K.	97
Koroleva, I.	21
Korotkevich, Ye. S.	82
Korovina, Z.	2

Korshchikov, V. D.	97	Krzywonos, Jan	28
Koryskov, V. G.	17	Ksenofontov, Yu. I.	17
Koscialkowski,		Kubenko, V. D.	96
Wladyslaw	35	Kubes, J.	92
Koss, P.	134	Kuchkin, S.	8
Kossov, M. A.	133	Kudoyarov, B. V.	86
Kossova, V. P.	93	Kudrin, L. P.	85
Kosters, F.	114	Kudryashov, N.	5
Kostyukovskiy,		Kudryashova, M.	16
Yu. M.-L.	124	Kudryashova, T. S.	87
Kosuge, T.	116	Kudryavtsev, Yu. I.	126
Kotel'nikov, V. A.	118	Kuehlhorn, Friedrich	54
Kotenev, I. V.	111, 134	Kuhnert, A.	102
Kotik, M.	16	Kulagin, L. V.	134
Kotisek, J.	79	Kulik, A.	4
Kotlyakov, V. M.	81	Kung Sung,	89
Kotmilo, Stefi	32	Kunii, K.	105
Kotyk, Vaclav	33	Kunin, N. Ya.	82
Kotyurgin, F.	17	Kuo Wen-kuei,	84
Kouba, M.	74	Kurin, N. V.	127
Kovachev, St.	33	Kurita, Yukio	124
Kovalenko, M.	2	Kurtepov, M. M.	95
Kowalewski, Mirosław	27	Kurz, W.	104
Koyanagi, A.	106	Kurziner, L.	1
Kozar, Zbigniew	76	Kusano Fumiko,	135
Kozhanov, K. Ya,	82	Kuzin, A.	64
Kozhevnikov, N. I.	127	Kuzin, A. V.	93
Kozlov, M. Ya.	68	Kuz'menko, P. P.	111
Kozlov, V. F.	120	Kuz'michev, P.	20
Kozlovskaya, V. P.	97	Kuzmowicz, P.	102
Kraatz, H.	74	Kuznetsov, A.	42
Krajewski, H.	134	Kuznetsov, A. P.	133
Krapiventsev, A. N.	133	Kuznetsov, D. A.	79
Krasil'nokov, N. A.	68	Kuznetsov, V. D.	17
Krasovskaya, I. V.	60	Kwon Yong-han,	48
Krasovskiy, N. N.	109		
Krause, H.	25		
Krauss, Krzysztof	27		
Krech, D.	69		
Krementulo, Y. V.	89		
Kremer, R.	111, 112		
Kremer, Yu. N.	67		
Krivososov, Yu. I.	97		
Krivoruchko, M. M.	134		
Kronenberger, K.	80		
Kross, Herbert	24		
Kruglov, A. I.	92		
Kruglov, A. N.	96		
Krumbiegel, D.	24		
Krupko, I. L.	66		
Krupkova, Danuta	27		
Krylov,	134		
Krzeczowski,			
Kazimierz	76		
Krzeheminskiy, S. A.	96		

- L -

Labzin, V. P.	65
Laconi, A.	75
Ladygin, B.	12
Lahdevirta, L.	70
Laine, E.	71
Lakatos, Erno	50
Lamiral, G.	122
Landsberg, Rolf	91
Lange, G.	100
Langenecker, B.	123
Langer, E.	107
Langer, Horst	24
Lanin, N. D.	86
Lapa, V. G.	65
Lapin, B. A.	66
Lashko, S. V.	97
La Sih-an,	84

Laut, H.	102
Lauprecht, W.	100
Laurent, Pierre	129
Lavecchia, M.	131
Lavrent'ev, I. G.	93
Lavrikov, A. S.	81
Lavrov, G. A.	86
Lavrukhina, A. K.	78
Lazar, Gabriella	135
Lazarenko, N. I.	92
Lazarev, L.	13
Le Duy Trinh,	48
Le Nhu Sam,	49
Lebedev, V.	61
Lebedev, V. N.	120
Lebedeva, N. S.	120
Lebedinsky, M. A.	93
Lebkov, V. F.	60
Lebourg, L.	72
Le Coroller, Yves	130
Ledersteger, K.	84
Lee Shi-Yong,	53
Lehar, F.	120
Lehmann, H.	103
Lehsten, Siegfried	118
Leibfried, G.	101
Leign, Anders	38
Lemaire, H.	130
Lenin, V. I.	11
Leonov, A. K.	83
Leonov, N. A.	21
Leont'yev, L. N.	81
Lepeshkin, A. I.	9
Lepeshkin, I. P.	9
Leschewski, Kurt	80
Leskov, B. N.	62
Lestrade, J. C.	99
Le Van Can,	49
Levano, Cesar	56
Levento, R. A.	96
Levin, M. S.	115
Levina, L.	3
Levinson, Ye. M.	110
Lewandowski, Janusz	27
Li Hsi-ch'i,	84
Li Wen,	89
Li Yu-hai,	62
Liang, Xiao-Tian	122
Liao Mo-Sha,	52
Liberman, S.	10
Liess, B.	72
Likhachev, B.	19
Lindgren, P. H.	80
Lindholm, H.	112

Lingemann, O.	74
Lipchin, N. N.	93
Lishunin, D. G.	118
Lisov, G.	83
List, Roland	85
Litvinov, P. I.	95
Liu Cheng-ch'ien,	84
Lobanov, P.	3
Lobanov, P. P.	61
Lobl, H.	80
Loetberg, Sigurd	37
Logvinovich, G. V.	93
Lopatnikov, L.	5
Lorenz, R.	80
Lounamaa, N.	107
Lovinskiy, S. I.	133
Lozhechnikov, E. B.	92
Lozinskiy, M. G.	93, 95
Lubarsch, O.	74
Lubchenko, A. F.	130
Lukashkin, N. D.	97
Luk'vanov, Yu.	19
Lunev, V. V.	128
Lunin, K. D.	88
Luomanmaki, V.	112
Lushev, Yu. G.	81
Lu Tao-cheng	89
Luth, A.	101
Lutovac, Milutin	33
Lutsenko, M.	59
Lutz, R.	117
L'vov, A.	134
Lyapunov, M. A.	92
Lyapunova, I. B.	82
Lytvynenko, M. M.	66
Lyubavin, Yu. P.	127
Lyubin, I. Ya.	127
Lyzwinski, M.	134

- M -

Machejek, Wladyslaw	33	Markova, I. V.	110
Machida, Shigeru	135	Markova, Ye. L.	83
Macias, Rafael	55	Markovich, Stefan	23
Macosso, Jean-Luc	44	Martsenitsen, M.	4
Madej, J.	73	Martynov, I. V.	97
Madej, T.	61	Marusov, G.	17
Madejczyk, Emil	27	Maskiko, Yoichiro	80
Madsen, Freddy	40	Masuko, Y.	105
Madudu	44	Matskevich, V.	59
Maeda, T.	107	Matsuda, H.	132
Magagnini, Franco	44, 43	Matsuoka, N.	132
Magne, A.	130	Matus, Erich	116
Magnier, Pierre	79	Matveyev, B.	13
Mahmoud, Mohamed		Matveyev, L. T.	81
Hussein	47	Matveyev, S.	7
Maitan, Livo	50	Matveyev, V.	4
Makarova, O. P.	127	Mayere, Albert E.	90
Makeyenko, M.	59	Mazur, N. M.	65
Makhmudov, N.	7	Mechel, F.	130
Maksimov, E. I.	125	Medvedev, S. V.	111
Maksyutenko, B. P.	121	Medvedovskiy, V. I.	127
Malenta, Grazyna	27	Meerovich, I. I.	86
Malinin, N. N.	127	Meier, W.	103
Malinschi, V.	29	Meisinger, G.	61
Malov, V. V.	67	Meiyus, Jacob	46
Malyanova, M. G.	11	Melamed, V. G.	108
Mamakov, A. A.	77	Mel'nikov, N.	12
Mamedov, Ya. D.	108	Mel'nikov, V. K.	126
Ma'moun, Mohamed		Nemedov, Ya. D.	108
Fathi	47	Meng, K'uei	50
Manumbi, M.	44	Mensa, Noise	40
Manchot, W.	79	Merkur'yev, A. N.	93
Mandel, Miklos	25	Nerson, Ya. I.	81
Manet, Enrique		Nerz, G.	71
Gonzalez	58	Merzhanov, A. G.	125
Manfrini, E.	123	Mesa, Enrique	55
Manojlovic, Petar	37	Nesyatsev, Ye.	16
Manov, Neno	103	Neuthen, B.	103
Manvelov, I.	8	Neytin, Ya. M.	78
Manyakin, V.	61	Mgoi, Sh. K.	14
Manyushis, I.	5	Nicek, Joachim	23
Manzel, Karl-Heinz	25	Michalak, Stanislaw	132, 91
Marchenko, L. L.	125	Michalek, Jan	90
Marchuk, G. I.	82	Nickevicius, V. V.	132
Marek, J.	79	Mihu, A.	36
Marin, Thelvia	57	Mikhailov, M. H.	18
Marincek, B.	100	Mikhailov, V. V.	125
Marinello, Juan	58	Mikhailova, Ye. G.	86
Marinkovic, Slobodan	122	Mikhlina, E. E.	128
Marinov, Petko	22	Mikunis, S.	47
Markl, I.	80	Milivanovic, M.	91
Markov, M. N.	81	Milaslav	122
		Milova, V. B.	97
		Mil'skiy, A.	18

Milyukov, A.	1
Milyus, A. V.	127
Minina, L. S.	82
Mino, Sadamu	116
Miroshnikov, I.	1
Miroshnikov, V.	13
Mirovsky, J.	69
Mitrega, Jan	27
Mitsutani, Akio	80
Miyashita, Y.	106
Mizov, Nikolay	35
Mladenov, Vulko	23
Mladjenovic, M.	135
Mlinac, F.	77
Moaka-Toko, L.	42
Mochalov, B.	14
Modelov, V.	16
Modin, A.	12
Moeller, Heinz	80
Mogilat, S.	14
Mohamadou, Eldridge	42
Molenaar, W.	63
Molodenskiy, M. S.	83
Momigny, J.	129
Monin, A. S.	111, 62
Monoszon, E. I.	20
Montaudo, G.	80
Morales, Abel Prieto	58
Morales, T. L.	54
Moralevich, Juriy	117
Moralevich, Yu.	2
Nore, A.	100
Moreau, Jean	90
Moretti, G.	75
Morikawa, H.	117
Morin, A. I.	127
Morin, P.	72
Moroz, A. L.	89
Morozov, A. V.	95
Morozov, D. I.	91
Morskoy, G. I.	83
Moryganov, P. V.	94
Moskvin, A.	4
Mostovoi, V. I.	120
Movsesyan, M. Ye.	81
Movshovich, I. Kh.	89
Mozgov, I. Ye.	64
Mravinac, Josef	118
Mroczek, Andrzej A.	27
Mueller, P.	70
Mulder, A. M.	69
Muller, Hannelore	25
Muresan, T.	29

Mustafa, Abdul	
Wahab	45
Mustelier, J. P.	123
Myasnikov, V. A.	85
- N -	
Nachbaur, P.	98
Naddakov, M. F.	88
Nagai, Y.	80
Nagy, Z.	116
Nahas, G. G.	72
Naimark, M. A.	108
Nakajima, Michiaki	105
Naniov, Z.	115
Nassenstein, H.	131
Natveyev, B.	13
Naymark, I.	4
Nebenzya, A.	14
Nechanyev, V.	5
Nechiporenko, G.	67
Nechushkin, A. M.	110
Neculau, Gh.	28
Neculoin, I.	29
Nedjalkov, St.	73
Negoita, C.	28
Nehas, G. G.	72
Nehring-Krause	24
Neigebauer, G. O.	94
Nemerovski, L. I.	65
Neporozhniy, P. S.	86
Neseni, Raimund	74
Neshev, Slavi	23
Nesterenko, V. B.	128
Neto, David Serson	76
Netter, R.	71
Neugebauer, R.	115
Neuweiler, W.	72
Nevolin, O. A.	60
Nevrayev, G. A.	69
Neyman, M.	135
Ngapeth, Rene	43
Ngo, Minh Loan	48
Nguyen, Con	53
Nguyen, Duc Dinh	51
Nguyen, Khanh	53
Nguyen, Van Sich	49
Nguyen, Quang Trinh	129
Nguyen, Quyet	52
Ni, Moyan	49
Nicodemi, W.	99, 131
Nicola, I.	29

Niculescu, Gh.	76
Nies, H.	115
Nikishin, A. A.	96
Nikitina, L. P.	96
Nikolayenko, V. A.	120
Nikolayev, A. N.	6
Nikolayev, B. D.	94
Nikolayev, N. S.	87
Nikol'skiy, K. K.	89
Nishikawa, K.	106
Niviere, P.	99
Nlinac, F.	77
Novikov, A. N.	79
Novikov, M.	3
Novikov, P. D.	120
Novitskiy, M.	4
Novoselov, Ye. S.	10
Novositskiy, B. M.	94
Novozhilov, V. V.	3
Nowak, V.	114
Noyere, Jean-Bernard	129
Nozaki, Z.	106
Nudel'man, A. V.	18
Numajiri, F.	105
Nyoka, Nicodeme	40

- O -

Obolonskaya, N. A.	96
Ochakovskiy, Yu. Ye.	83
Oehkle, K.	115
Oelschlagel, Dietrich	104
Oganesyan, E.	8
Ogawa, S.	116
Ognev, S. I.	69
Ogorkiewicz, Richard M.	39
Ohira, M.	131
Ohta, T.	117
Oiks, G. N.	94
Okamoto, K.	106
Okil-bo, O.	52
Okoko, Th.	41
Okotowicz, Wincenty	85
Okunev, V.	15
Olefirenko, V. T.	69
Onufriyev, I. A.	8
Opara, B. K.	94
Oppelt, Jiri	122
Orazmukhamedov, O.	11
Orlos, Henryk	76
Orlova, M. V.	6
Orlova, V. V.	97

Orlova, Ye. I.	65
Orths, K.	101
Oshanin, D. A.	108
Ostroverkhov, G. Ye.	68
Ostroukhov, M. Ya.	110
Ostrowski, K.	35
Ota, T.	117
Ota, Yoshiyuki	116
Ovcharov, Kh.	23
Oyama, Yashitoshi	132

- P -

Pacheco, Judas	55
Pacner, Karel	134
Paderno, Yv. B.	127
Pahota, Karoly	134
Paillere, P.	123
Pak, Chong-hyon	50
Pak, Pei-Mien	62
Pak, Tung-yol	51
Pak, Yu.	18
Pakhomov, A.	12
Pal'gunova, T. M.	15
Pal'man, V.	60
Palme, A. R.	95
Panariti, Dhor	32
Pan, I.	28
Pankratov, V.	10
Papir, Abram Nutovich	133
Papko, G. F.	67
Paques, H.	99
Paramonov, V. K.	17
Parin, V. V.	66
Paris, Rogellio	57
Parkhomov, Yu. P.	89
Paschalski, J.	76
Pasechnik, I. P.	81
Pashkov, A.	5
Pashkov, A. B.	125
Pasichnyy, V. V.	107
Passaggio, E.	76
Patev, K.	33
Paton, B.	110
Patterson, W.	101
Patti, F.	79
Pautov, V. D.	93
Pavlik, B. M.	130
Pavlov, E. M.	68
Pavlov, V. G.	128
Pechuro, N. S.	93
Pedersen, Klaus	40
Pelikan, J. B.	102

Pelissler, Rene	43
Pelka, Stanislaw	26
Pellenq, Paulette	48
Pen'kovskiy, V. V.	78
Perelman, R.	71
Perevezentsev, Ye. N.	87, 86
Peries, J.	71, 70
Pero, Dimitrovski	30
Perov, A. I.	108
Pershin, S. V.	125
Pertsov, L. A.	61
Peters, K.	74
Petrash, Yu.	19
Petrenko, L. I.	121
Petrescu, A.	29
Petri, R.	101
Petrov, N. A.	121
Petrov, R.	68
Petrov, Yu. N.	92
Petrovskiy, B.	64
Petrushin, I. P.	89, 88
Petrys, T.	26
Petukhov, I. V.	128
Pfetffer, A.	102
Pflug, Brigitte	24
Pham, Ngoc Huyen	53
Phan, Trong Tue	52
Philibert, J.	99
Phira, M.	131
Pietroiusti	76
Pietsch, W.	100
Pilis, Pal	26
Pina, Luis d Camara	39
Pink, E.	103
Pinto, Francisco	54
Pinzauti, Mario	38
Piotrowski, K.	91
Piotti, Mario	45
Pisla, M.	30
Pis'men, L. M.	78
Piteran, A.	111
Pizzoferrato, A.	75
Plaude, N. O.	62
Pleshkov, B.	11
Pleskov, V. A.	78
Plotnikov, N. A.	67
Plotnikov, V. G.	87
Pluzanski, Tadeusz	33
Pochivalov, L.	20
Podakov, A. S.	91
Podzorov, N. V.	60
Pohl, K. H.	116
Poincare, H.	61
Poklonskiy, P.	2

Pokorny, R.	98
Pollet, Henri	98
Polozbiy, G. K.	108
Polozhiy, G. N.	86
Polukhin, Ye. S.	110
Polyanovskiy, Ed.	13
Pomus, M. I.	5
Ponzi, Ugo	131
Popescu, Gheorghe	28
Popescu, B.	29
Popescu, Maria	36
Popescu, N. Gr.	76
Popescu, V. M.	29
Popkov, V.	92
Popov, A. N.	8
Popov, K.	13
Popov, V.	134
Popov, V. N.	127
Popryadukhin, A.	108
Posadas, J.	57
Potemkin, I. G.	119
Potoceanu, I.	30
Povarnin, P. I.	110
Povitskiy, A. S.	127
Poyarkov, G. P.	93
Presnov, I. N.	68
Prevot, A. R.	70
Prevot, M.	71
Prezeworski, A.	35
Prikhod'ko, A. A.	63
Prikhod'ko, V. I.	126
Pritykin, M.	2
Privalov, N. N.	7
Prokhorev, V. I.	6
Prokhorov, V. I.	6
Prokopenko, N.	4
Prokoshkin, D. A.	93
Prokuryakov, G. V.	133
Proskina, N. N.	78
P'U, Yung-hsiu	84
Puja, Frigyes	35
Putin, V. A.	110
Putintsev, A. V.	20
Puyuelo, H.	71
P'yankov, G. A.	9

- R -

Raba, Karel	119
Rabichev, L. Ya.	66
Rabinowitz, Solomon	46
Rabut, P.	72
Radchenko, A. N.	63

Radu, S.	28
Rajkiewicz, Antoni	35
Rakov, K. M.	95
Rakovic	122
Ramirez, Antonio	55
Rangelov, K. N.	59
Rankov, Vasil	23
Rapin, M.	72
Raskir, G.	12
Rastorguev, L. N.	94
Rathery, F.	70
Ratiani, G.	15
Rautee, Erkki	38
Ravizza, P.	99
Razvodovskiy, Ye. F.	78
Rebusapca, D.	28
Red'ko, G. I.	59
Redzic, Enver	33
Reibel, I. M.	78, 121
Reichenbach, H.	91
Reichert, G.	59
Reichmann, E.	28
Reihlen, H.	115
Remizov, L.	4
Renaud, J.	72
Reshet'ko, E. V.	77
Reuss, Paul	24
Richard, C.	70
Richter, H.	104
Riedmuller, W.	130
Rios, Daniel	56
Rios, Pedro	55
Riveros, Nicolas, T.	55
Rivin, L. Ya.	89
Robtsov, M. V.	128
Rodier, J.	123
Rodionova, G. A.	132
Rodriguez, Aniceto A.	58
Roginskaya, Ye. V.	78
Roginskiy, S. A.	128
Rojas, Consuelo	55
Rojas, Marta	56
Rokotyan, S. S.	4
Roll, F.	101
Rolla, G.	76
Romanchuk, M. A.	65
Romanov, A. A.	59
Romantseva, L. M.	16
Romaskin, M.	23
Romberg, W.	109
Romeikov, I. V.	118
Romeo, Carlos	54
Rostarchuk, M.	19
Roth, L.	36, 130
Rothman, A.	134

Rotini, O. T.	75
Roubeau, P.	129
Roudny, Radim	34
Rouquerol, Francois	129
Roussel, E.	127
Royez, A.	98
Royiller, Ch.	70
Rozaliyev, Yu. N.	47
Rozan, Henryk	33
Rozental', D. L.	67
Rozental', M.	14
Rozhnova, I. P.	85
Rubanenko, B.	10
Rubtsov, I. N.	93
Rudanovskiy, A. A.	121
Rudenko, R.	15
Rukhadze, A. A.	125
Rustamov, P. G.	77
Rutkevich, M.	20
Ruzek, Vladimir	90
Ryazanova, V. V.	19
Rykalin, N. N.	125
Ryzhkov, Ye. V.	119

- S -

Sack, Joseph	40
Sadovskiy, A.	10
Sadovskiy, M. A.	120
Sadovskiy, V.	134
Safonov, A. N.	124
Saidbayev, T.	19
Saint Aleksandrov, Krum	23
Sakaki, Toshio	52
Sakharov, I.	69
Sakui, S.	107
Salak, A.	98
Salamandra, G. D.	126
Salida, A. I.	89
Samgina, G. A.	127
Samodayev, Ye.	10
Samoylov, K.	5
Samson, A. M.	124
Samsonov, G. V.	78
Sanasaryan, N. S.	125
Sandford, F.	107
Sano, Noritatsu	85
Santamarina, Jorge	55
Sapozhnikov, R. B.	82
Sarkisov, K. R.	68
Sarkisyan, G.	12
Sarzhhevskiy, A. M.	91

Sauer, Ekkehard	24	Shatunov, G.	18, 16
Sauer, K. H.	104	Shaub, Yu. B.	119
Savina, A. V.	60	Shchedrov, Ivan	49
Savitskiy, Georgiy		Shchegolev, Ye. Ya.	86
Adol'fovich	85	Shcheglov, A. F.	17
Savva, V. A.	124	Shchekoldina, V. I.	78
Sayegh, S.	113	Sheludko, A.	93
Saykov, Yu. P.	120	Shenbrot, I. M.	6
Sboeva, S. G.	63	Sheremet, A.	17
Scarlat, Constantin	29	Sherstyuk, A. N.	110
Schaaber, O.	102	Shevchenko, V. A.	78
Schadlich, Heinz	24	Shevchuk, G. M.	21
Schafer, D.	74	Sheynis, Z.	14
Scharfenberg, R.	101	Shibai, T.	105
Schatt, W.	102	Shibuya, K.	106
Scheberl, A.	103	Shilo, P.	2
Schiopu, B.	29	Shimizu, Takeo	131
Schmellenmeier, Heinz	116	Shimura, Y.	132
Schmid, Paul	115	Shiro, Toyota	51
Schmidt, B.	73	Shiryayev, Yu.	12
Schmidt, Erich	24	Shiryayev, V. I.	93
Schmidt, Gerhard	100	Shishkov, Pencho	23
Schmidt, Stanislaw	109	Shlionskiy, G.	82
Schmithals, P. U.	115	Shmidt, A. A.	67
Schmitz, K. P.	114	Shneyder, Yu.	19
Schneider, H.	90	Shokanbayev, A. N.	66
Schoberl, A.	103	Shokin, N.	12
Scholz, H.	25	Shor, M. I.	118
Schultze, G.	120	Shorygina, N. N.	79
Schwochau, K.	79	Shoykov, Diko	22
Scriba, P. C.	79	Shpilrain, E. E.	130
Secrieru, C.	29	Shugol', A. S.	88
Seeger, G.	101	Shumskiy, P. A.	81
Seidel, H.	73	Shuplyakov, S.	1
Seino, H.	124	Shur, Hayem	46
Semenov, B.	10	Shurakov, S. S.	96
Semenov, I.	4	Shurin, A. K.	96
Semenova, E. I.	66	Sicinski, Andrzej	35
Sencar, V.	99	Sidonskiy, O. B.	125
Senda, K.	105	Sidorenko, D. F.	17
Serban, M. D.	77	Sidorenko, Ye.	48
Serebryanaya, A. G.	66	Sigu, Yi	51
Seregin, Yu. A.	62	Silayenko, Ye.	10
Serov, P. L.	63	Sil'chenkov, N. M.	89
Sesoykin, V.	5	Silina, G. F.	77
Severdenko, V. P.	92	Sima, V.	34
Severin, A. H.	88	Simecok, J.	104
Sha, Tzi-chung	84	Simek, Milos	118
Shafranov, V. D.	126	Sinoes, Joaquim	44
Shakhmatov, V. G.	65, 95	Simuni, L. M.	108
Shakhunova, P. A.	81	Sintsov, L.	3
Shal'nev, K. K.	111, 134	Sintsov, V. N.	127
Sharamok, I. I.	8	Sislyan, Zh. S.	126
Sharp, R. D.	107	Sitadovic, Borislav	31
Sharpenak, A. E.	67	Sivkov, Yu. P.	121
Shatagin, N. I.	15	Skoda, R.	73

Skornyakov, N. D.	17
Skornyakov, Yu. T.	97
Skovoroda, K.	9
Skripof, F. N.	128
Skrzypek, K.	27
Sladkovskiy, M.	12
Slavin, S.	6
Slipchenko, P.	86
Slobozhanskiy, P. P.	89
Slomyanskiy, G. A.	119
Smirnov, P. T.	84
Smirnov, Ye.	20
Smirnova, A. D.	60
Smirnova, V. A.	59
Smit, H.	102
Smolenski, Zygmunt	35
Smolyanskiy, V.	33
Smol'skiy, B. M.	132
Sobolev, N. A.	17
Sok, Chun-hak	53
Sokolov, V. T.	118
Sokolov, Yu. D.	109
Sokolova, L. V.	65
Solc, I.	129
Soldatekov, I. A.	10
Solnishkov, A. I.	121
Solodilov, Yu. I.	110
Solodkov, A. S.	64
Solonin, V. I.	133
Solov'ev, A. N.	127
Solov'ev, L. S.	119
Solov'yev, A.	19
Solov'yev, A. D.	62
Solov'yev, B. B.	5
Solov'yev, S. S.	10
Sommerkorn, G.	103
Song, Jae-ch'ol	53
Soovik, T. A.	128
Sopivskiy, N.	7
Sorogovets, P. E.	59
Sorokin, G.	1
Sorokin, M. H.	110
Soszka, W.	34
Sotskiy, B. A.	124
Sotskov, B.	66
Soucek, Vaclav	33
Sovico, S. A.	118
Spasic, Miodrag	31
Spasov, Boris	32
Spasskiy, S. S.	96
Spiess, H.	73
Spiridonov, V. S.	109
Spiro, Gidon	45
Spirov, M.	22
Spittel, T.	102

Srna, Djordje	30
Stamatovic, Veljko	36
Stanev, Lyuben	23
Stanimirov, Stanimir	55
Staparski, Miodrag	90
Starodubov, K. F.	96
Stavnitser, I. I.	62
Stein, W.	103
Steinruecken, D.	95
Stepanenko, V. N.	31
Stepanov, G.	2
Stetina, B.	112
Stiefel, E.	109
Stil'bans, L. S.	78
Stockmann, P.	114
Stoian, D.	29
Stolarz, St.	107
Stolte, H.	104
Stoyko, Anna	85
Straub, Bruno F.	75
Strauz, Imre	75
Strehlow, H.	80
Streich, Rudolf	24
Strepetova, M. P.	7
Striganov	79
Strigin, A.	18
Stroganov, N.	3
Strutt, Max J. O.	90
Strygin, E. M.	92
Studnitsin, A. A.	68
Styro, B. I.	124
Suarez, Elias	55
Sucevanu, Gh.	107
Sudas, A. Z.	88
Suetin, P. K.	109
Sulimenko, E. I.	94
Sulmont, P.	71
Sun, Yun-chu	84
Surraco, L. H.	71
Suzdaleva, V. V.	67
Suzuki, K.	105
Svec, Zdenek	118
Svirin, J. A.	17
Swiderski, J.	91
Swiderski, Stanislaw	44, 45
Sychev, P. M.	81
Syski, Jacek	32
Sytnik, V. Ya.	89
Szabo, Kalman	25
Szauffer, J.	80
Szczecinski, S.	134
Szilagyi, Pal	26
Szilard, B.	122, 79
Szkibik, C.	34
Szymanczyk, Janusz	26

- T -

Taborga, Jaine	54	Tokmakov, A. A.	111
Tacke, G.	104	Tolgyessy, J.	122
Tacorian, Ara	28	Tolmachev, A. I.	59
Tacussel, J.	99	Tolstikov, V.	14
Tadic, Dobrosev	30	Tolstikov, Ya.	9
Tadzhiyev, Ya. T.	21	Tolstykh, A. I.	128
Takai, T.	106	Tombalbaye, Francois	43
Takao, Kichiro	109	Tomingas, K. V.	108
Takeda, N.	105	Topchiyan, M. E.	125
Takiguchi, S.	105	Topchiyev, D. A.	78
Takishima, Yasuo	132	Toure, Ahmed Sekou	41
Talasjoma, K.	107	Toure, Ismael	43
Tanaka, A.	105	Toure, Mamouna	45
Tanoue, T.	106	Toure, Sekou	43
Tan, Shu Song	128	Tovpenets, E. S.	110
Tanzer, J.	71	Tran, Duc	51
Tardieux, P.	70	Tran, Loc	49
Tardy-Joubert, Philippe	123	Tran, Trung Nghia	49
Tareyev, B. M.	85	Tran, Tu Binh	51
Taubrich, G.	25	Tran, Van Quang	52
Tauscher, H.	101	Traykov, G.	22
Tavarez, Z.	71	Trentini, B.	99
Tayganov, I.	15	Tret'yakov, G. A.	17
Taykov, G.	22	Trnka, Miroslav	23
Tchamala, R. M.	42	Trokhachev, A. I.	69
Teitelbaum, Raul	135	Truong, Son	52
Telleria, Evelio	57	Truskalov, N. P.	88
Terent'yev, H.	12	Tsaban, Yair	46
Terent'yev, N. M.	108	Tsambis, Stratis	45
Ter-Martirosyan, K.	125	Tsedenbal, Yumzhagiyn	51
Ter-Mikaelyan, T. M.	86	Tselikov, A. I.	111
Tesch, Joachim	25	Tsenova, A.	23
Teshima	118	Tsenta, Ye. L.	92
Tetenyi, Pal	123	Tso, Ta-K'ang	62
Texeira, Ib	54	Tsonkov, Geno	32, 35
Thai Minh Tuong	49	Tsurkov, N.	9
Thewanger, W.	73	Tsvetkov, Peter	35
Thiam, Bodiol	45	Tsyganov, I.	15
Thomas, L.V.	42	Tsyganov, S. A.	125
Thommen, Werner	90	Tsykin, L. V.	94
Tikhomirov, V. I.	97	Tsym, Yu. A.	89
Tikhonov, V.	59	Tubi, Taufik	46
Timme, Fritz	120	Tudor, C.	92
Timmel, Hans	73	Tuma, J.	104
Ting-sui Ke	128	Tung, Sheng	50
Tishin, V. G.	126	Turasov, I.	118
Tkachev, G. N.	81	Turchaninov, A. A.	11
Todericiu, D.	36	Turchin, V. F.	121
Todorov, Kostadin K.	32	Turcinovic, Slobodan	30
Todorov, L.	20	Turculescu, V.	28
Tokmachev, N.	1	Turik, N.	2
		Tushinskiy, L. I.	94
		Tuyezov, I. K.	81
		Tyabin, N. V.	126

Tylkin, M. A.	94
Tyukhtin, V.	13
Tyutyunov, V. A.	133

- U -

Uglov, B. N.	92
Uglov, A. A.	125
Ullerich, F. H.	79
Umanskiy, Z. M.	63
Urazayev, Sh. Z.	14
Urazgil'deev, A. Kh.	93
Ustinovskaya, L. T.	60

- V -

Vaduva, I.	29
Vainikko, G. M.	108
Vainshtok, M. I.	94
Vajda, Imre	30
Vakhter, Kh.	67
Vakurov, I.	18
Valbis, Ya. A.	132
Valdes, Jorge Lopez	77
Valescoccchi, A.	75
Valyarenko, V.	1
Van, Cuong	51
van der Merwe,	
A. le R.	70
Van de Voorde, N.	123
Van Fo Ey, G. A.	96
Vanek, Antonin	98
Vanyukhina, E. P.	11
Varela, Teodosio	54
Varga, Gyorgy	26
Varlamov, N.	17
Vasic, Djordje	31
Vasilache, M.	78
Vasilev, Vasil	22
Vasil'eva, E. V.	93
Vasilyev, P. S.	67
Vasil'yev, V. I.	125
Vasil'yev, Yu. F.	84
Vasil'yeva, N. I.	97
Vassal, J. M.	98
Vasserman, N. N.	94
Vater, M.	103
Vaynberg, A. Ya.	8
Vdovenko, V. M.	121
Vegrari, Jono	26
Velikhov, E. P.	126
Velizaric, D.	30
Veljkovic, B.	34

Venentsev, Yu. N.	126
Vergunna, F. I.	85
Vichney, Nicolas	135
Vidin, Yu. V.	126
Viespescu, Dan	98
Vilaseca, Rector	
Salvador	57
Vilesov, G.	60
Villa, Gregoire	43
Vilyunov, V. N.	125
Vinogradov, N.	16
Vinogradova, A. I.	86
Vintizenko, I. G.	109
Virchow, Rudolf	74
Vizbaraite, Ya. I.	61
Vladescu, V.	28
Vlasenko, I. Ya.	69
Vlasova, A.	2
Vocchia, M. La.	131
Vodopivec, F.	99
Voelkel, Horst	72
Volchikov, B. A.	3
Volkov, F. I.	59
Volkov, S. G.	88
Volkov, S. S.	94
Volovchenko, I.	23
Vol'pert, I. Ye.	67
vom Ende, H.	104
von Borries, Bodo	118
von Jordan, W.	115
von Sengbusch, Volker	42
von Struve, G.	114
Vorob'eva, V. G.	121
Vorob'yev, F.	18
Vorob'yeva, V. G.	121
Vorobyev, V. N.	81
Voronin, G. V.	68
Voronov, F.	2
Voronova, L. I.	89
Voss, A.	2
Votintsev, Yu. V.	17
Voxyakov, A.	5
Voznyy, V. T.	17
Vrachev, Ivan	33
Vrinssen, A.	102
Vucetic, Vladimir	31
Vu, Day Hieu	48
Vuilleumier, Marcel	117

- W -

Waclawczyk, Henryk	27
Wagner, G.	74
Wagner, H.	131
Wagner, Otto	
Heinrich	80
Wahler, B. E.	73
Wakabayashi, K.	106
Walter, Kurt	35
Walter, L.	102
Wang, En-yu	50
Wang, I-tseu	128
Wang, Jun-sheng	89
Wang, Lien-chung	97
Wang, Mo-li	90
Wange, Udo-Bieter	25
Wassermann, G.	104
Watiez, M. G.	113
Wawrzynczak, S.	23
Wedervang, B.	119
Weingardt, G.	90
Weiss, A.	91
Wenzel, W.	115
Wen, Ch'ing	47
Werner, H.	114
Wertheback, P.	103
Widmark, H.	107
Wieckowski, Josef	132
Wille, P.	130
Wimmer, Miloslav	112
Winkler, E.	74
Winkler, Gerhard	24
Winkler, Gyorgy	85
Winterkamp, H.	115
Winternitz, P.	120
Winzer, R.	80
Wirth, G.	74
Wist, Hans	52
Woolinga, H. D.	70
Wohrn, K.	104
Wolff, Otto	99
Wo'l-so'ng, Ch'oe	52
Wronka, A. G.	103
Wu, Ch'in-yueh	62

- X -

Xavier, Pierre	32
Xhabija, Ramiz	22

- Y -

Yablokov, A. V.	66
Yada, T.	107
Yaglom, A. M.	111
Yakimovich, K. A.	130
Yakovlev, L. Yu.	88
Yamaguchi, Kenji	132
Yamaguchi, T.	80
Yamashita, Daijiro	92
Yamazaki, Ryusuke	116
Yang, Wan-k'ai	89
Yanotovskiy, M. Ts.	65
Yasakov, Pedro	55
Yashunskaya, A. G.	79
Yashunskiy, V. G.	65
Yegorov, I. T.	118
Yegorov, P.	17
Yelashov, Yu. G.	66
Yeliseyev, O. M.	68
Yelyutin, V. P.	21
Yemel'yanov, S. V.	86
Yeremin, A.	12
Yermakov, P.	3
Yershov, E. B.	85
Yevtushenko, A. N.	96
Yi, Chang Kun	51
Yoffe, I. I.	78
Yonehara, Itaru	50
Yordanov, Slavcho	22
Yoshida, A.	116
Yoshida, H.	131
Youra, J.	105
Yu, Ling-hwa	121
Yuganov	134
Yun, Tai Hong	51
Yutsis, A. P.	61
Yu-yuan, T'ang	50

- Z -

Zabolotskiy, S. K.	96
Zaboronok, G. F.	97
Zachoval, L.	129
Zaduban, H.	131
Zagladin, V. V.	21
Zagreyev, V. V.	60
Zaharia, L.	29
Zaika, V. V.	128

Zaitseva, G. N.	64
Zakharov, N. N.	133
Zalud, Frantisek	111
Zarate, M. A.	77
Zarembo, Yu. I.	77
Zarenin, Yu. G.	110
Zaretskaya, Yu.	68
Zaretskiy, A.	14
Zdyb, Zygmunt	28
Zel'dovich, Ya. B.	128
Zelentsov, V.	51
Zelinski, S.	107
Zemskov, G. V.	94
Zemlyanitskiy, L. F.	60
Zevin, L. Z.	7
Zhdanov, G. S.	126
Zherebiat'ev, I. F.	109
Zhigulev, P. G.	115
Zhukov, Yuriy	15
Ziegler, Jean	43
Zil'berberg, L. D.	87
Zilberman, B. Z.	59
Zima, Jiri	90
Zimin, V.	11
Zimkin, N. V.	65
Zimmer, V. K. O.	115
Zivancevic, Milos	31
Zivkovic, V.	31
Zohren, J.	102
Zolin, L. S.	120
Zolotnikov, Yo.	4
Zotov, D. K.	7
Zotov, V.	9
Zubillaga, I.	77
Zverev, B. F.	110
Zotova, O.	69
Zvonkov, V. V.	5

• • •



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

ENCLOSURE I



Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fltr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0482732	78-03109A	56	1	5	100	Consolidated Translation Survey For April 1966	4/1/1966	203	Approved For Release	3/25/2004
AD0485874	78-03109A	56	1	6	101	Consolidated Translation Survey For May 1966	5/1/1966	250	Approved For Release	3/25/2004
AD0486759	78-03109A	56	1	7	102	Consolidated Translation Survey For June 1966	6/1/1966	265	Approved For Release	3/25/2004
AD0488131	78-03109A	56	1	8	103	Consolidated Translation Survey For July 1966	7/1/1966	178	Approved For Release	3/25/2004
AD0800235	78-03109A	57	1	1	104	Consolidated Translation Survey For August 1966	8/1/1966	264	Approved For Release	3/25/2004
AD0801439	78-03109A	57	1	2	105	Consolidated Translation Survey For September 1966	9/1/1966	211	Approved For Release	3/25/2004
AD0803607	78-03109A	57	1	3	106	Consolidated Translation Survey For October 1966	10/1/1966	247	Approved For Release	3/25/2004
AD0804982	78-03109A	57	1	4	107	Consolidated Translation Survey For November 1966	11/1/1966	203	Approved For Release	3/25/2004
AD0806465	78-03109A	57	1	5	108	Consolidated Translation Survey For December 1966	12/1/1966	234	Approved For Release	3/25/2004
AD0808740	78-03109A	57	1	6	109	Consolidated Translation Survey For January 1967	1/1/1967	277	Approved For Release	3/25/2004
AD0811456	78-03109A	57	1	7	110	Consolidated Translation Survey For February 1967	2/1/1967	234	Approved For Release	3/25/2004
AD0813563	78-03109A	57	1	8	111	Consolidated Translation Survey For March 1967	3/1/1967	342	Approved For Release	3/25/2004
AD0814969	78-03109A	57	1	9	112	Consolidated Translation Survey For April 1967	4/1/1967	268	Approved For Release	3/25/2004
AD0816126	78-03109A	58	1	1	113	Consolidated Translation Survey Through 31 May 1967	5/31/1967	210	Approved For Release	3/25/2004
AD0818406	78-03109A	58	1	2	114	Consolidated Translation Survey Through 30 June 1967	6/30/1967	271	Approved For Release	3/25/2004
AD0834366	78-03109A	58	1	3	115	Consolidated Translation Survey Through 31 July 1967	7/31/1967	318	Approved For Release	3/25/2004
AD0820905	78-03109A	58	1	4	116	Consolidated Translation Survey Through 31 August 1967	8/31/1967	308	Approved For Release	3/25/2004
AD0822924	78-03109A	58	1	5	117	Consolidated Translation Survey Through 30 September 1967	9/30/1967	330	Approved For Release	3/25/2004
AD0824515	78-03109A	58	1	6	118	Consolidated Translation Survey Through 31 October 1967	10/31/1967	200	Approved For Release	3/25/2004
AD0824581	78-03109A	58	1	7	119	Consolidated Translation Survey Through 30 November 1967	11/30/1967	194	Approved For Release	3/25/2004
AD0832430	78-03109A	58	1	8	120	Consolidated Translation Survey Through 31 December 1967	12/31/1967	100	Approved For Release	3/25/2004
AD0828154	78-03109A	58	1	9	121	Consolidated Translation Survey Through 31 January 1968	1/31/1968	221	Approved For Release	3/25/2004
AD0829939	78-03109A	59	1	1	122	Consolidated Translation Survey Through 29 February 1968	2/29/1968	246	Approved For Release	3/25/2004